



**VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD**

# **MANUFACTURER'S DOCUMENTS REGISTER**

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| <b>CLIENT</b>              | <b>: SUBSEA EXPLORE SERVICES (M)<br/>SDN .BHD.</b> |
| <b>OWNER</b>               | <b>: SUBSEA EXPLORE SERVICES (M)<br/>SDN.BHD.</b>  |
| <b>PROJECT</b>             | <b>: 14FT CONTROL VAN CONTAINER</b>                |
| <b>MODEL NO.</b>           | <b>: VGOCI-CV-14-8-8.5</b>                         |
| <b>MANUFACTURER NO.</b>    | <b>: VG 1057</b>                                   |
| <b>ID NO.</b>              | <b>: FAL-CV2009-006</b>                            |
| <b>CERTIFICATE NO.</b>     | <b>: 0110-MLS-09-07</b>                            |
| <b>DIMENSION (MM)</b>      | <b>: 4270 (L) X 2438 (W) X 2590 (H)</b>            |
| <b>DATE OF MANUFACTURE</b> | <b>: FEBRUARY 2009</b>                             |
| <b>QTY</b>                 | <b>: 1 UNIT</b>                                    |

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# SECTION 1

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## **SURVEY REPORT OF LOAD TEST**



**BUREAU  
VERITAS**

REPORT NO: 0110-MLS-09-07  
DATE : 27<sup>th</sup> February 2009  
PAGE : 1 Of 1

### **ATTESTATION OF INSPECTION**

*Issued within the Scope of the Bureau Veritas Industrial Branch General Conditions*

**THIS IS TO CERTIFY** that the undersigned surveyor to **BUREAU VERITAS (M) Sdn. Bhd** at the request of Messrs. **VG Offshore Containers International (M) Sdn. Bhd.** had visited the factory at **No. D17, Loat 10439, Jalan Sg Jati, 41000 Klang, Selangor** to witness the proof load test. The details are follows:

- PROJECT : 14FT CONTROL VAN CONTAINER
- PURCHASER : SUBSEA EXPLORE SERVICES (M) SDN.BHD.
- OWNER : SUBSEA EXPLORE SERVICES (M) SDN.BHD.
- CONTAINER ID : FAL-CV2009-006
- MODEL NO : VGOCI-CV-14-8-8.5
- DATE OF MANUFACTURE : FEBRUARY 2009
- MANUFACTURER S/N : VG1057
- OVERALL DIMENSION : 4270 (L) X 2438 (W) X 2590 (H)
- MAX.GROSS WEIGHT : 8,000 kg
- TARE WEIGHT : 3,100 kg
- PAY LOAD : 4,900 kg
- LOAD TEST WEIGHT : 16,000 kg (4 points lift)

The testing was carried out by all points lifting and held for 5 minutes.  
No permanent deflection was observed after load testing.  
The condition of the item was found **satisfactory**.

**AHMAD THAARI ABDUL RAHIM**  
Surveyor to BUREAU VERITAS

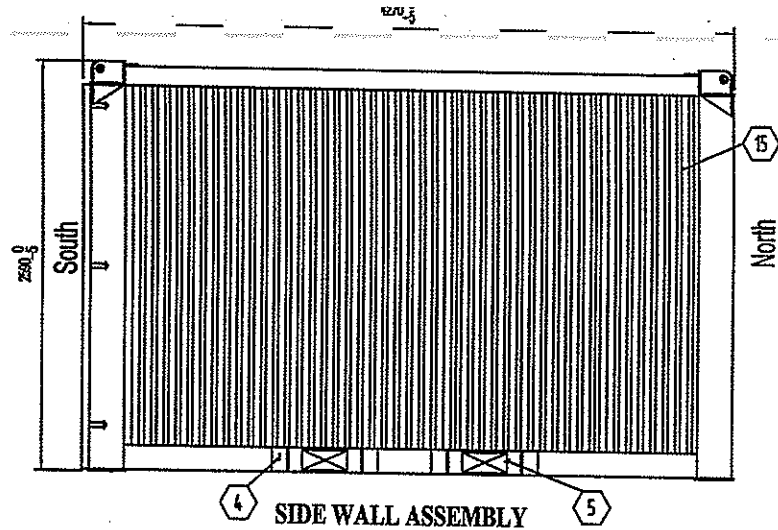


**HAMDAN BIN ALHAM**  
Project Manager

# SECTION 2

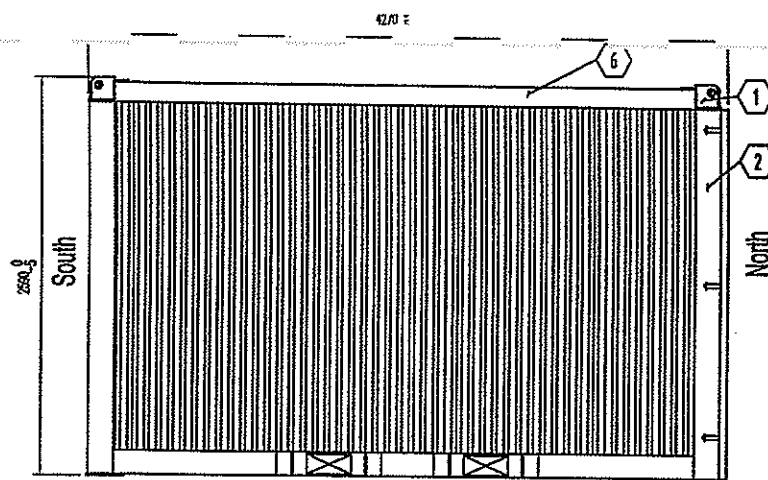
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## GENERAL ARRANGMENT DRAWINGS



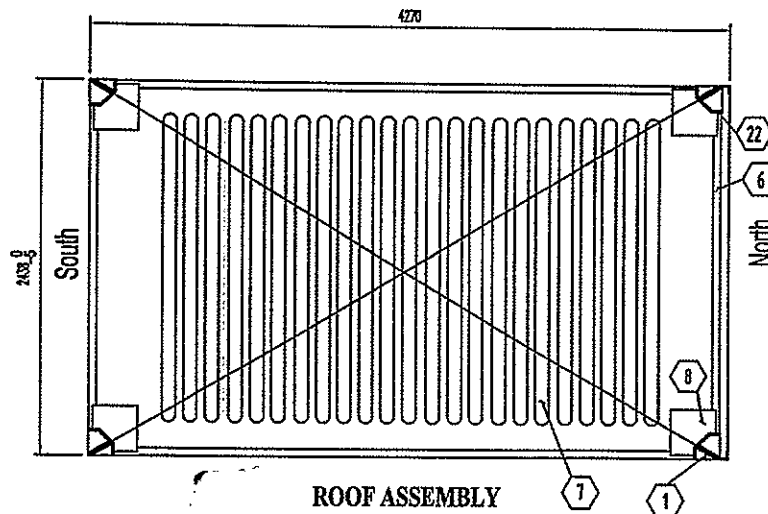
**SIDE WALL ASSEMBLY**

SCALE 1:35



**SIDE WALL ASSEMBLY**

SCALE 1:35

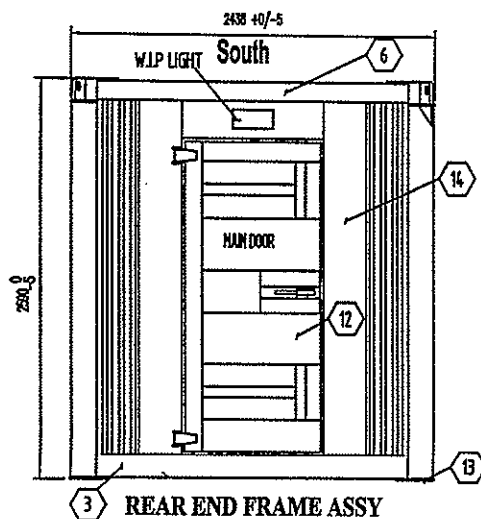


**ROOF ASSEMBLY**

SCALE 1:35

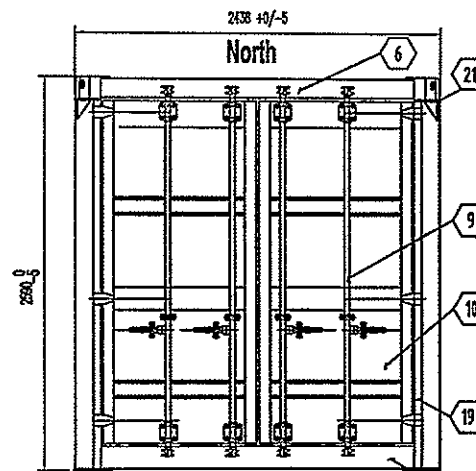
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**MASTER COPY**



**REAR END FRAME ASSY**

SCALE 1:35



**FRONT END FRAME ASSY**

SCALE 1:35

| ITEM | DESCRIPTION          | QTY  | UNIT                    |
|------|----------------------|------|-------------------------|
| 1.   | PADEYE               | 25.4 | SA 516 GR 70 PLATE      |
| 2.   | CORNER POST          | 6    | JS G 3101 SS400         |
| 3.   | BOTTOM SIDE/END RAIL | 10   | I BEAM 43A 15675/R      |
| 4.   | FORK POCKET COVER    | 6    | JS G 3101 SS400         |
| 5.   | FORK POCKET          | 6    | JS G 3101 SS400         |
| 6.   | TOP SIDE/END RAIL    | 4.5  | ASTM A 500 GR B         |
| 7.   | ROOF PLATE           | 2    | JS G 3131 SPHC          |
| 8.   | COVER PLATE          | 6    | JS G 3101 SS400         |
| 9.   | DOOR ACCESSORIES     | 4    |                         |
| 10.  | DOUBLE DOOR          | 2    | JS G 3131 SPHC          |
| 11.  | DOOR HEADER          | 4.5  | JS G 3101 SS400         |
| 12.  | SINGLE DOOR          | 3    | JS G 3131 SPHC          |
| 13.  | BASE PLATE           | 10   | JS G 3131 SPHC          |
| 14.  | DOOR POST            | 4.5  | JS G 3131 SPHC          |
| 15.  | SIDEWALL             | 2    | JS G 3131 SPHC          |
| 19.  | DOOR HINGE COVER     | 4.5  | JS G 3131 SPHC          |
| 21.  | PADEYE BASE PLATE    | 12.7 | ASME SA 516 GR 70 PLATE |
| 22.  | PADEYE COVER PLATE   | 12.7 | ASME SA 516 GR 70 PLATE |

**CONTAINER CAPACITY**

|              |      |    |
|--------------|------|----|
| TARE WEIGHT  | 3000 | KG |
| PAYLOAD      | 4900 | KG |
| GROSS WEIGHT | 8000 | KG |

**SHACKLE**

|               |                             |
|---------------|-----------------------------|
| TYPE          | CROSBY 6.5 MT OR EQUIVALENT |
| S.W.L.O.A.D   | 6.5 MT                      |
| JAW WIDTH     | 36.5 mm                     |
| PIN DIA       | 25.4 mm                     |
| INSIDE LENGTH | 84 mm                       |

**SLING**

|             |                         |
|-------------|-------------------------|
| TYPE & SIZE | WIRE ROPE 26mm DIAMETER |
|-------------|-------------------------|

| REV. | CHANGE DESCRIPTION | DATE |
|------|--------------------|------|
|      |                    |      |

DESIGNED / FABRICATED BY:



VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
KIPARY NO. 60923-1

|        |                     |
|--------|---------------------|
| TITLE: | GENERAL ARRANGEMENT |
| REV:   | 0                   |
| PAGE:  | 1 OF 7              |

| NO. | DESCRIPTION               | DATE     | APPROVED |
|-----|---------------------------|----------|----------|
| 1   | ISSUED FOR APPROVAL       | 23.01.09 | YK AR RM |
| 2   | APPROVED FOR CONSTRUCTION | 23.01.09 | YK AR RM |

THE CONTENTS OF THIS SHEET ARE UNCONTROLLED. ANY INFORMATION CONTAINED HEREIN IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE PERMISSION OF VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD.

PROJECT / MODEL :  
VG00-CV-14-8-85

DRAWN: YK  
CHECKED: AR  
APPROVED: RM  
SCALE: AS NOTED

DATE: 23.01.09  
DATE: 23.01.09  
DATE: 23.01.09  
VG00-CV-14-8-85-R0

# SECTION 3

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## MATERIAL TRACEABILITY REPORT



**VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD**  
**VG METAL TECHNOLOGY (M) SDN BHD**

## MATERIAL TRACEABILITY RECORD

| Serial No.:          | VG 1057                             |                   |                       |                  |                 |                     |
|----------------------|-------------------------------------|-------------------|-----------------------|------------------|-----------------|---------------------|
| Model No.:           | VGOCI-CV-14-8-8.5                   |                   |                       |                  |                 |                     |
| Client Name:         | Subsea Explore Services (M) Sdn Bhd |                   |                       |                  |                 |                     |
| Project Name:        | 14FT Control Van Container          |                   |                       |                  |                 |                     |
| Marking / Colour ID: | VG 1057                             |                   |                       |                  |                 |                     |
| Item No.             | Description                         | Material type     | Structure Type        | Thk              | Heat No.        | Mill Cert. No.      |
| 1                    | Bottom Side Rail                    | 43A15275JR        | Primary               | 152 x 152 x 37kg | 74921           | 42107100290         |
| 2                    | Bottom End Rail                     | 43A15275JR        | Primary               | 153 x 152 x 37kg | 74921           | 42107100290         |
| 3                    | Corner Post                         | JIS G 3101        | Primary               | 6mm              | 20825010        | 5858100             |
| 4                    | Padeye                              | ASME SA-516 GR 70 | Primary               | 25.4mm           | WH76302         | ASHEX-4909-001      |
| 5                    | Padeye Base Plate                   | ASME SA 516 GR 70 | Primary               | 12.7mm           | PA42109801-9802 | 080617-ppse-008-002 |
| 6                    | Front, Rear & Side Wall             | JIS G 3131 SPHC   | Secondary             | 2 mm             | 30702990        | 30563100            |
| 7                    | Top Side Rail                       | ASTM A 500 GR B   | Primary               | 4.5 MM           | 10152423        | MIG/AJM/4890/06     |
| 8                    | Top End Rail                        | ASTM A 500 GR B   | Primary               | 4.5 MM           | 10152423        | MIG/AJM/4890/06     |
| 9                    | Cross Members                       | JIS G 3101        | Non Essential Primary | 6mm              | 20825010        | 5858100             |
| 10                   | Floor Plate                         | JIS G 3101        | Non Essential Primary | 6mm              | 30804030        | 75206100            |

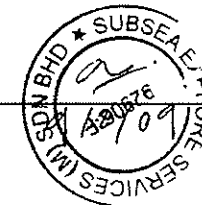
CHECKED BY :



VERIFIED BY :



APPROVED BY :





VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
VG METAL TECHNOLOGY (M) SDN BHD

## IN-COMING MATERIAL INSPECTION RECORD

[illegible]

Prepared / Checked by

Reviewed by

**Verified / Confirmed by**

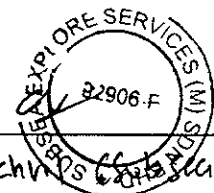
Name \_\_\_\_\_

**Date:**

Lindauer

Name: VLM

Date: 7/2/09.



Name:

Date:

**JOO METAL SDN. BHD.**

Customer: *V6 Metal Technology S/B*

Dimension: *4.8mm x 1219mm x 2438mm*

D/O No: *03161104* *00003130*

Quantity: *3pcs* Date: *7/5/07*



**MEGASTEEL SDN BHD** (181104-T)

A Member of The Lion Group.



# **MILL TEST CERTIFICATE**

Customer: **ANSHIN STEEL PROCESSOR SDN BHD**

Customer Order No: **022136**

Commodity: **HOT ROLLED MILD STEEL PLATES, SHEETS & STRIPS**

Specification: **JIS G 3131 SPHC**

Contract No.: **HR7187**

Certificate No: **41498/00**

D/O No: **97520**

Date of Issue: **3/05/2007**

| Contract No.: HR7187 |            |          |                        |                          |                    |                       |                   |       |                     |                    |                          |    |    |        | Date of Issue : 3/05/2007 |  | 9/520   |  |  |  |
|----------------------|------------|----------|------------------------|--------------------------|--------------------|-----------------------|-------------------|-------|---------------------|--------------------|--------------------------|----|----|--------|---------------------------|--|---------|--|--|--|
| Item No              | Coil No    | Heat No  | Size (mm)<br>T X W X L | Quantity<br>(No of Coil) | Net Weight<br>(mt) | Mechanical Properties |                   |       | Bend Test<br>(180°) | Impact Test<br>(J) | Chemical Composition (%) |    |    |        |                           |  | Remarks |  |  |  |
|                      |            |          |                        |                          |                    | Yield                 | Tensile           | Elong |                     |                    | C                        | Si | Mn | P      | S                         |  |         |  |  |  |
|                      |            |          |                        |                          |                    | N/mm <sup>2</sup>     | N/mm <sup>2</sup> | %     |                     |                    | x 100                    |    |    | x 1000 |                           |  |         |  |  |  |
| 1                    | 0704048290 | 20716120 | 1.50X1219              | 1                        | 18.420             | 317.0                 | 377.0             | 38.0  | GOOD                |                    | 5                        | 1  | 16 | 10     | 5                         |  |         |  |  |  |
| 2                    | 0704046670 | 20715880 | 2.00X1219              | 1                        | 20.420             | 308.0                 | 382.0             | 39.0  | GOOD                |                    | 3                        | 5  | 17 | 10     | 3                         |  |         |  |  |  |
| 3                    | 0704011890 | 20714020 | 4.50X1219              | 1                        | 20.200             | 321.0                 | 402.0             | 39.0  | GOOD                |                    | 4                        | 1  | 34 | 9      | 5                         |  |         |  |  |  |
| ITEM(S) = 3 ONLY.    |            |          |                        |                          |                    |                       |                   |       |                     |                    |                          |    |    |        | CERTIFIED TRUE            |  |         |  |  |  |
| Remarks: 100-312312  |            |          |                        |                          |                    |                       |                   |       |                     |                    |                          |    |    |        |                           |  |         |  |  |  |

ITEM(S) = 3 ONLY

**CERTIFIED TRUE COPY**

Remarks: *1/03/07 3131*

**ANN JOO METAL SDN BHD**  
(LOG Dept) (Co. No. 260316-P)

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION.

This is a computer generated form

No Signature Required

Authorized Signature

Office & Factory: Lot 2919, Kawasan Perindustrian Olak Lempit, Daerah Kuala Langat, 42700 Banting, Selangor, Malaysia  
Tel: 03-3181666/8866, Facsimile: 03-31816929

PAGE 1 **MARKETING**



**VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD**  
**VG METAL TECHNOLOGY (M) SDN BHD**

**IN-COMING MATERIAL INSPECTION RECORD**

| Client: Subsea Explore<br>Services (M) Sdn Bhd |                   | Project:<br>14 FT CONTROL VAN<br>CONTAINER |            | Supplier Name:<br>ANN JOH METAL | Supplier<br>D.N No.:<br>09/00977 | Supplier<br>Delivery Date:<br>3/2/09 | Client Job No.: |
|------------------------------------------------|-------------------|--------------------------------------------|------------|---------------------------------|----------------------------------|--------------------------------------|-----------------|
| Item                                           | Specification     | Description                                | Heat No.   | Qty.                            | Mill Cert. No.                   | Appearance                           | Remarks         |
| 1.                                             | ASTM A 500 GRA    | 50mm x 100 x 2.3 x 6M                      | 0711073570 | 2 pcs                           | 28-04-MAN 273                    | OK                                   |                 |
| 2.                                             | ASTM A 500 GRB    | 125mm x 50 x 4.5 x 6M                      | 10152423   | 3 pcs                           | MGR 1A3M/4680/06                 | OK                                   |                 |
| 3.                                             | JIS G 3101 SS 40V | 6mm x 1219 x 2438                          | 30804030   | 4 pcs                           | 75208/100                        | OK                                   |                 |
| 4.                                             | JIS G 3101 SS 40V | 6mm x 1219 x 2438                          | 20825010   | 2 pcs                           | 05858/00                         | OK                                   |                 |
| 5.                                             | JIS G 3131 8PHC   | 2mm x 1219 x 2438                          | 30702990   | 8 pcs                           | 80565/00                         | OK                                   |                 |
| 6.                                             | JIS G 3101 SS 40V | 150 x 75 x 9mm x 6M                        | 185982     | 1 pc                            | H74583100001                     | OK                                   |                 |
| 7.                                             | 43A/52753R        | 152 x 152 x 37kg/m                         | 74921      | 2 pcs                           | 42107100220                      | OK                                   |                 |
|                                                |                   |                                            |            |                                 |                                  |                                      |                 |
|                                                |                   |                                            |            |                                 |                                  |                                      |                 |
|                                                |                   |                                            |            |                                 |                                  |                                      |                 |

Prepared / Checked by

Reviewed by

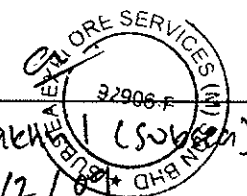
Verified / Confirmed by

Name: *[Signature]*

Date: 3/2/09

Name: Venu

Date: 3/2/09



Name: Fakhri (Subsea)

Date: 4/2/09

MILL TEST CERTIFICATE

Customer : ANN JOO METAL SDN BHD

D/O No. : IV08041272

Certificate No. : 28-04-MAN-233

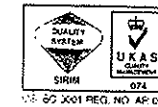
Date Of Issue : 14/4/2008

| Item No                                                                                                                                                                                                                                                                                                                                                | Size, Commodity, Specification                                               | Quantity | Mechanical Properties |                   |       | Chemical Composition (%) |    |    |        |   | Leak* Test | Flattening Test | Coil No.   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------|-----------------------|-------------------|-------|--------------------------|----|----|--------|---|------------|-----------------|------------|
|                                                                                                                                                                                                                                                                                                                                                        |                                                                              |          | Yield                 | Tensile           | Elong | C                        | Si | Mn | P      | S |            |                 |            |
|                                                                                                                                                                                                                                                                                                                                                        |                                                                              |          | N/mm <sup>2</sup>     | N/mm <sup>2</sup> | %     | x 100                    |    |    | x 1000 |   |            |                 |            |
| 1                                                                                                                                                                                                                                                                                                                                                      | 75MMX75MMX6.00MMX6.000M<br>SQ HOLLOW SECTIONS - HR<br>ASTM A 500 GRADE B     | 50       | 349                   | 449               | 28    | 5                        | 18 | 71 | 7      | 2 | -          | -               | 0705036940 |
| 2                                                                                                                                                                                                                                                                                                                                                      | 50MMX100MMX2.30MMX6.000M<br>RECT. HOLLOW SECTIONS - HR<br>ASTM A 500 GRADE A | 45       | 326                   | 393               | 29    | 3                        | 1  | 18 | 8      | 6 | -          | -               | 9711073570 |
| 3                                                                                                                                                                                                                                                                                                                                                      | 125MMX125MMX6.000M<br>WELDED STEEL PIPES - HR<br>BS 1387                     | 40       | 315                   | 407               | 31    | 6                        | 2  | 18 | 5      | 2 | PASS (E)   | PASS            | 0801084070 |
| <div> ANN JOO METAL SDN. BHD.</div> <div>Customer : <i>VG Metal Technology S/B</i></div> <div>Dimension : <i>100mm x 50mm x 2.3mm x 6m</i></div> <div>D/O No : <i>05/00 977</i> P/O No : <i>00000122</i></div> <div>Quantity : <i>2pcs</i> Date : <i>3/2/09</i></div> |                                                                              |          |                       |                   |       |                          |    |    |        |   |            |                 |            |
| Remarks:                                                                                                                                                                                                                                                                                                                                               |                                                                              |          |                       |                   |       |                          |    |    |        |   |            |                 |            |
| <div>Note: The Results of Chemical Composition Are Based On Raw Material Mill Test Certificate.</div> <div>: Leak Test : (H) - Hydrostatic Test, (E) - Eddy Current Test</div> <div><br/>_____<br/>Authorised Signature</div>                                     |                                                                              |          |                       |                   |       |                          |    |    |        |   |            |                 |            |

CERTIFIED TRUE COPY

Chong 4/2/08

ANN JOO METAL SDN BHD  
(LOG Dept) (Co. No. 260316-P)



MELEWAR INDUSTRIAL GROUP BERHAD (8444-W)

# MILL CERTIFICATE

Contract No. : LPO:17205,17208  
Destination : TO STORE  
Customer : ANN JOO METAL SDN. BHD  
Ref. No. : M.I.G D/O : 10152423  
Specification : EQUIVALENT TO ASTM A500 GRADE B  
Article : SQUARE & RECTANGULAR HOLLOW SECTION (HR)

Certificate No. : MIG / AJM / 4690 / 06

Date Of Issue : 07/04/06

| Lot | Size                       | Quantity         |                        | Hydrostatic / Eddy Current Test | Galva-nizing Test | Chemical Composition (Ladle Analysis) |             |             |             |             | Tensile Test                     |                                    |                | Bending Test | Flatten-ing Test | Remarks |
|-----|----------------------------|------------------|------------------------|---------------------------------|-------------------|---------------------------------------|-------------|-------------|-------------|-------------|----------------------------------|------------------------------------|----------------|--------------|------------------|---------|
|     |                            | Number of Pieces | Calculated Weight (kg) |                                 |                   | C (%) x100                            | Si (%) x100 | Mn (%) x100 | P (%) x1000 | S (%) x1000 | Yield Strength N/mm <sup>2</sup> | Tensile Strength N/mm <sup>2</sup> | Elongation (%) |              |                  |         |
|     | 125MM X 50MM X 4.5MM X 6M  | 72               | 4889.81                | -                               | -                 | 5                                     | 1           | 84          | 10          | 9           | 323                              | 423                                | 37             | -            | -                |         |
|     | 100MM X 100MM X 4.5MM X 6M | 20               | 1570.20                | -                               | -                 | 5                                     | 1           | 85          | 10          | 9           | 322                              | 422                                | 37             | -            | -                |         |
|     | 150MM X 100MM X 4.5MM X 6M | 5                | 498.51                 | -                               | -                 | 5                                     | 1           | 86          | 10          | 11          | 324                              | 424                                | 37             | -            | -                |         |

ANN JOO METAL SDN. BHD.

Customer : Yn Metal Technology S/B

Dimension : 125mm x 50mm x 4.5mm x 6m

D/O No. : 02/00277 P/O No. : 00002/2

Quantity : 3pcs Date : 3/2/05

We hereby certify that the material described herein conforms to the said specification.

8/4/08  
CHIEF QUALITY CONTROL INSPECTOR

Customer : *VA Metal Technology (M) S/B*  
 Dimension : *6mm x 1219mm x 2438mm*  
 D/O No : *09100977* P/O No : *00002122*  
 Quantity : *4 Pcs* Date : *2/1/08*



**MEGASTEEL SDN BHD** (181104-T)  
 A Member of The Lion Group

CERT D 1 2 C

*Chong 4/1/08*

**ANN JOO METAL SDN BHD**  
 (LOG Dept) (Co. No. 260316-P)



# **MILL TEST CERTIFICATE**

Customer : **ANSHIN STEEL PROCESSOR SDN BHD**  
 Customer Order No : **024709**

Commodity: **HOT ROLLED STEEL FOR CHECKERED / FLOOR PLATE.**  
 Specification: **JIS G 3101 88 400**  
 Contract No.: **HC8255**

Certificate No : **75208/00**  
 D/O No : **122827**  
 Date of Issue : **31/01/2008**

| Contract No..    |            |          |                        |                          |                    | HC8255                |         | Date of Issue : 31/01/2008 |                     |                    |                          |    |    |        |    |  |         |
|------------------|------------|----------|------------------------|--------------------------|--------------------|-----------------------|---------|----------------------------|---------------------|--------------------|--------------------------|----|----|--------|----|--|---------|
| Item No          | Coil No    | Heat No  | Size (mm)<br>T X W X L | Quantity<br>(No of Coil) | Net Weight<br>(mt) | Mechanical Properties |         |                            | Bend Test<br>(180°) | Impact Test<br>(J) | Chemical Composition (%) |    |    |        |    |  | Remarks |
|                  |            |          |                        |                          |                    | Yield                 | Tensile | Elong                      |                     |                    | C                        | Si | Mn | P      | S  |  |         |
|                  |            |          |                        |                          |                    | N/mm²                 | N/mm²   | %                          |                     |                    | x 100                    |    |    | x 1000 |    |  |         |
| 1                | 0801084280 | 30804030 | 6.00X1219              | 1                        | 15.130             | 328.0                 | 428.0   | .0                         | GOOD                |                    | 4                        | 17 | 70 | 12     | 10 |  |         |
| ITEM(S) = 1 ONLY |            |          |                        |                          |                    |                       |         |                            |                     |                    |                          |    |    |        |    |  |         |
| Remarks:         |            |          |                        |                          |                    |                       |         |                            |                     |                    |                          |    |    |        |    |  |         |

Remarks:

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION.

This is a computer generated form

No Signature Required

Authorized Signature

Chong 4/2/09.



A Member of The Lion Group

## Customer .

ANSHIN STEEL PROCESSOR SDN BHD

Customer Order No :

025870

Commodity:

HOT ROLLED STEEL FOR GENERAL STRUCTURE

Specification:

JIS G 3101 SS400

Contract No.:

Certificate No :

05858/00

D/O No

146688

Date of Issue :

5/08/2008

Remarks:

WF HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION.

This is a computer generated form

No Signature Required

Authorised Signature

**ANN JOO METAL SDN. BHD.**

Customer : *Y6 Metal Technology S/B*

Dimension : *14mm x 1219mm x 3462mm*

D/O No. : *05/00277* P/O No. : *00003102*

Quantity : *8 pcs* Date : *3/12/09*



**MEGASTEEL SDN BHD** (181104-T)

A Member of The Lion Group

*Chong 4/12/09*

**ANN JOO METAL SDN BHD**  
(LOG Dept) (Co. No. 260316-P)



## MILL TEST CERTIFICATE

Customer : **ANSHIN STEEL PROCESSOR SDN BHD**

Customer Order No : **021285**

Commodity : **HOT ROLLED MILD STEEL PLATES, SHEETS & STRIPS**

Specification : **JIS G 3113 SPHC**

Contract No. : **HR8852**

Certificate No : **30565/00**

D/O No : **88552**

Date of Issue : **8/02/2007**

| Contract No.:    |            |            |                        | HR6852                   |                    |                       |                   | Date of Issue : |                     |                    |                          | 8/02/2007 |    |        |   |  |         |
|------------------|------------|------------|------------------------|--------------------------|--------------------|-----------------------|-------------------|-----------------|---------------------|--------------------|--------------------------|-----------|----|--------|---|--|---------|
| Item No          | Coil No    | Heat No    | Size (mm)<br>T X W X L | Quantity<br>(No of Coil) | Net Weight<br>(mt) | Mechanical Properties |                   |                 | Bend Test<br>(180°) | Impact Test<br>(J) | Chemical Composition (%) |           |    |        |   |  | Remarks |
|                  |            |            |                        |                          |                    | Yield                 | Tensile           | Elong           |                     |                    | C                        | Si        | Mn | P      | S |  |         |
|                  |            |            |                        |                          |                    | N/mm <sup>2</sup>     | N/mm <sup>2</sup> | %               |                     |                    | x 100                    |           |    | x 1000 |   |  |         |
| 1                | 0701083370 | 30702990 ✓ | 2.00X1219              | 1                        | 20.200             | 319.0                 | 383.0             | 38.0            | GOOD                |                    | 4                        | 2         | 18 | 6      | 4 |  |         |
| 2                | 0701083380 | 20703350   | 2.00X1219              | 1                        | 20.500             | 318.0                 | 387.0             | 37.0            | GOOD                |                    | 3                        | 1         | 16 | 9      | 5 |  |         |
| 3                | 0701085120 | 20703420   | 2.00X1219              | 1                        | 20.310             | 329.0                 | 388.0             | 36.0            | GOOD                |                    | 4                        | 1         | 18 | 8      | 6 |  |         |
| ITEM(S) = 3 ONLY |            |            |                        |                          |                    |                       |                   |                 |                     |                    |                          |           |    |        |   |  |         |
| Remarks:         |            |            |                        |                          |                    |                       |                   |                 |                     |                    |                          |           |    |        |   |  |         |

Remarks:

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION.

This is a computer generated form

No Signature Required

Authorized Signature

Customer : *Va Metal Technology (M) S/B.*  
 Dimension : *40mm x 20mm x 9mm x 24kg/m x 6m*  
 D/O No. : *09/0977* P/O No. : *00002122*  
 Quantity : *1pc* Date : *3/2/09*

# MILL'S CERTIFICATE

## 鋼材検査証明書

OSAKA STEEL CO., LTD.

大阪製鋼株式会社

1-9-3 MINAMIOKAJIMA, TAISHO-KI, OSAKA, JAPAN

本社：大阪市大正区南恩加島 1-9-3

PHONE 06-6552-1441

Sheet No.  
 証明書番号 : H74583100001

Order No.  
 注文番号 : 733-76-361

Contract No.  
 契約番号 : 04-A01-90083

Destination  
 向 先 : ANN JOO METAL SDN. BHD.

Commodity  
 品 名 : CHANNELS

Supplier  
 注文者 : HANWA CO., LTD.

Agency  
 特約店 :

Purchaser  
 需要家 : ANN JOO METAL SDN. BHD.

Construction  
 T. 事 名 :

Date  
 発行日 : 01. FEB. 2008

Page No. : 1

Specification  
 規格記号 : JIS G 3101 SS400

|                   |                        |                     |                   | Chemical Composition<br>化 学 成 分 (%) |            |            |            |            |            |            |            |            |            |             |             |                                             | Tensile Test<br>引 張 試 験                         |                        |                    | Bend<br>Test | Charpy<br>Impact Test | Brinell<br>Hardness |
|-------------------|------------------------|---------------------|-------------------|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|---------------------------------------------|-------------------------------------------------|------------------------|--------------------|--------------|-----------------------|---------------------|
| Dimensions<br>寸 法 | Quantity<br>員 数<br>(P) | Mass<br>質 量<br>(kg) | Charge No<br>製鋼番号 | C<br>×100                           | Si<br>×100 | Mn<br>×100 | P<br>×1000 | S<br>×1000 | Cu<br>×100 | Ni<br>×100 | Cr<br>×100 | Mo<br>×100 | V<br>×1000 | Nb<br>×1000 | Ceq<br>×100 | Yield Point<br>降 伏 点<br>N / mm <sup>2</sup> | Tensile Strength<br>引張強さ<br>N / mm <sup>2</sup> | Elongation<br>伸 び<br>% | 曲 げ<br>試 験<br>180° | 0℃<br>J      | Test<br>硬さ試験<br>HBW   |                     |
| mm 寸              |                        |                     |                   |                                     |            |            |            |            |            |            |            |            |            |             |             |                                             |                                                 |                        |                    |              |                       |                     |
| 150X75X9 6.0      | 336                    | 48384               | 185982            | 11                                  | 21         | 44         | 29         | 26         |            |            |            |            |            |             |             | 308                                         | 464                                             | 26                     | GOOD               |              |                       |                     |
| 150X75X9 6.0      | 16                     | 2304                | 185982            | 11                                  | 21         | 44         | 29         | 26         |            |            |            |            |            |             |             | 310                                         | 465                                             | 27                     | GOOD               |              |                       |                     |
| S. TOTAL          | 352                    | 50688               |                   |                                     |            |            |            |            |            |            |            |            |            |             |             |                                             |                                                 |                        |                    |              |                       |                     |
| G. TOTAL          | 352                    | 50688               |                   |                                     |            |            |            |            |            |            |            |            |            |             |             |                                             |                                                 |                        |                    |              |                       |                     |

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirements called for the above order.

上記注文品は御指定の規格または仕様に従って製造され、  
 その要求事項を満足していることを証明します。

Surveyor to

Leader of Technical Control Group  
 技術管理グループリーダー



Cust: YH 7/10/10  
 Dimension: 150mm x 150mm x 37kg/m x 6096m  
 D/O No: 09/00977 P/O No: 0000122  
 Quantity: 2 pcs Date: 3/10/09

Chong 4/10/11  
 ANN JOO METAL SDN BHD  
 (LOG Dept) (Co. No. 260316-P)



# SIAM YAMATO STEEL CO., LTD. MILL INSPECTION CERTIFICATE

(In accordance with DIN50049 / EN10204 3.1)

Head office 1 Siam Cement Road, Bangsue, Bangkok Thailand 10800  
 Tel. (662) 586-2783-4, 586-5329-30 Fax: (662) 586-2687, 910-3123



Certificate No. : 42107100290  
 Reference No. : OCE0700368/1  
 D/P No. : 120892544, 120892545, 120892546, 120892547, 120892548, 120892549, 120892550, 120892551, 120892552, 120892867

Customer : 3005262 ANN JOO METAL SDN BHD  
 Description of Goods : H-BEAM  
 Remark 1 : CONFORMED TO BS 4360/BSEN 10025-2 GRADE 43A/S275JR  
 Remark 2 :  
 Remark 3 : ANN JOO 27/1

Shipper : SIAM YAMATO STEEL CO., LTD.

Revision 00

Date of Issue : 07/11/2007

Grade : 43A/S275JR

Page 1 / 2

Steelmaking and Manufacturing Process Semi-Killed Steel, As-Rolled

| Dimension x Length                  | Qty (Pcs.) | Heat No. | Mechanical Property                |                                      |                   |               |              | Chemical Composition (%) |            |            |            |            |            |            |             |            |            |
|-------------------------------------|------------|----------|------------------------------------|--------------------------------------|-------------------|---------------|--------------|--------------------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|
|                                     |            |          | Yield Str.<br>(N/mm <sup>2</sup> ) | Tensile Str.<br>(N/mm <sup>2</sup> ) | Elongation<br>(%) | Impact<br>(J) | Bend<br>Test | C<br>x100                | Si<br>x100 | Mn<br>x100 | CE<br>x100 | SW<br>x100 | P<br>x1000 | S<br>x1000 | Nb<br>x1000 | V<br>x1000 | N<br>x1000 |
| H 43A/S275JR 152X152MMX22.5KG/M 40F | 19         | 73002    | 478.3                              | 552.9                                | 24.10             | -             |              | 15                       | 17         | 128        | 38         | 23         | 11         | 26         | 6           | 4          | 9          |
| H 43A/S275JR 152X152MMX22.5KG/M 40F | 2          | 73004    | 480.2                              | 537.8                                | 25.88             | -             |              | 13                       | 18         | 138        | 39         | 23         | 14         | 31         | 8           | 5          | 9          |
| H 43A/S275JR 152X152MMX22.5KG/M 40F | 9          | 73005    | 466.5                              | 549.5                                | 24.17             | -             |              | 14                       | 18         | 129        | 38         | 22         | 11         | 25         | 6           | 4          | 9          |
| H 43A/S275JR 152X152MMX22.5KG/M 40F | 14         | 73006    | 475.5                              | 547.1                                | 23.98             | -             |              | 14                       | 25         | 134        | 38         | 23         | 9          | 19         | 7           | 4          | 9          |
| H 43A/S275JR 152X152MMX22.5KG/M 40F | 33         | 73007    | 453.7                              | 549.1                                | 24.18             | -             |              | 15                       | 18         | 137        | 40         | 24         | 12         | 29         | 9           | 5          | 9          |
| H 43A/S275JR 152X152MMX22.5KG/M 40F | 9          | 73008    | 478.8                              | 542.9                                | 23.48             | -             |              | 13                       | 15         | 139        | 39         | 23         | 10         | 24         | 7           | 5          | 9          |
| H 43A/S275JR 152X152MMX22.5KG/M 40F | 4          | 73014    | 412.8                              | 537.0                                | 23.90             | -             |              | 15                       | 21         | 127        | 38         | 23         | 10         | 16         | 8           | 4          | 9          |
| H 43A/S275JR 152X152MMX29.8KG/M 40F | 5          | 67392    | 365.7                              | 497.5                                | 25.11             | -             |              | 15                       | 17         | 40         | 26         | 0          | 15         | 14         | 4           | 3          | 9          |
| H 43A/S275JR 152X152MMX29.8KG/M 40F | 2          | 67393    | 306.5                              | 433.5                                | 28.87             | -             |              | 16                       | 17         | 41         | 28         | 0          | 15         | 14         | 3           | 3          | 9          |
| H 43A/S275JR 152X152MMX29.8KG/M 40F | 3          | 67412    | 302.6                              | 435.3                                | 27.22             | -             |              | 16                       | 18         | 42         | 27         | 0          | 15         | 13         | 6           | 0          | 9          |
| H 43A/S275JR 152X152MMX29.8KG/M 40F | 47         | 74882    | 313.0                              | 437.8                                | 28.59             | -             |              | 14                       | 14         | 57         | 28         | 19         | 12         | 22         | 1           | 3          | 9          |
| H 43A/S275JR 152X152MMX37KG/M 40F   | 4          | 74644    | 309.5                              | 457.1                                | 25.94             | -             |              | 15                       | 19         | 88         | 32         | 22         | 17         | 31         | 1           | 3          | 9          |
| H 43A/S275JR 152X152MMX37KG/M 40F   | 5          | 74916    | 349.7                              | 478.8                                | 25.47             | -             |              | 15                       | 18         | 65         | 28         | 21         | 7          | 16         | 1           | 3          | 9          |
| H 43A/S275JR 152X152MMX37KG/M 40F   | 40         | 74921    | 305.0                              | 439.0                                | 25.56             | -             |              | 15                       | 14         | 65         | 28         | 21         | 9          | 14         | 2           | 3          | 9          |
| H 43A/S275JR 203X102MMX22.5KG/M 40F | 70         | 75262    | 352.0                              | 442.9                                | 24.97             | -             |              | 10                       | 19         | 65         | 23         | 18         | 7          | 18         | 1           | 3          | 9          |
| H 43A/S275JR 203X102MMX22.5KG/M 40F | 7          | 75263    | 348.5                              | 439.2                                | 27.86             | -             |              | 10                       | 17         | 65         | 23         | 18         | 9          | 22         | 1           | 3          | 9          |
| H 43A/S275JR 203X102MMX22.5KG/M 40F | 8          | 75264    | 381.4                              | 446.9                                | 28.69             | -             |              | 11                       | 19         | 62         | 23         | 17         | 8          | 14         | 1           | 3          | 9          |
| H 43A/S275JR 356X171MMX45KG/M 40F   | 7          | 74960    | 338.5                              | 457.1                                | 27.53             | -             |              | 14                       | 17         | 98         | 32         | 21         | 8          | 25         | 2           | 4          | 9          |
| H 43A/S275JR 356X171MMX45KG/M 40F   | 22         | 75007    | 331.7                              | 450.8                                | 28.20             | -             |              | 11                       | 18         | 86         | 28         | 18         | 8          | 21         | 1           | 4          | 9          |
| H 43A/S275JR 356X171MMX45KG/M 40F   | 12         | 75008    | 317.8                              | 438.9                                | 28.17             | -             |              | 10                       | 20         | 89         | 27         | 17         | 7          | 21         | 1           | 4          | 9          |
| H 43A/S275JR 356X171MMX51KG/M 40F   | 4          | 74960    | 432.0                              | 548.2                                | 23.34             | -             |              | 14                       | 17         | 98         | 32         | 21         | 8          | 25         | 2           | 4          | 9          |
| H 43A/S275JR 356X171MMX51KG/M 40F   | 14         | 75023    | 327.8                              | 473.1                                | 23.82             | -             |              | 14                       | 19         | 85         | 31         | 21         | 8          | 13         | 1           | 4          | 9          |

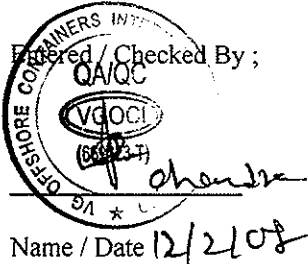
|                                                                             |                                                                                                                                                                                                                      |                                                        |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Checked By : Finished Good Checking Operator                                | We hereby certify that the material described herein has been tested and inspected satisfactorily in accordance with the requirements of the above specification.<br><br>Manufactured by Siam Yamato Steel Co., Ltd. | <br>Quality Promotion & Engineering Department Manager |
| Remark : CE = Carbon equivalent<br>SW = Chemical composition on sensitivity |                                                                                                                                                                                                                      |                                                        |

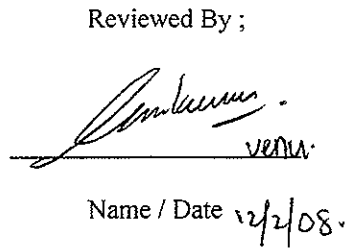


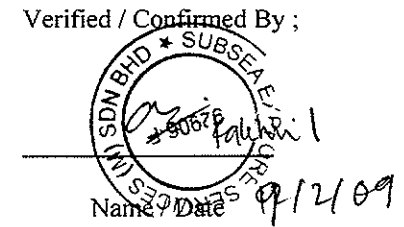
# VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD

## IN-COMING MATERIAL INSPECTION RECORD

| Client : SUBSEA EXPLORE SERVICES ( M ) SDN BHD |                   |                    | Supplier Name     |      | Supplier D.N No.     | Supplier Arrival Date | Client Job No. | Vendor Doc. No. |
|------------------------------------------------|-------------------|--------------------|-------------------|------|----------------------|-----------------------|----------------|-----------------|
| Project : A FRAME                              |                   |                    | ANN 300 METAL 813 |      | 08/01338             | 12/2/08               | —              | —               |
| Item                                           | Specification     | Description        | Heat No.          | Qty. | Mill Cert. No.       | Appearance            | Remarks        |                 |
| 1.                                             | ASME SA 516 GR 70 | 25.4 x 1524 x 2438 | WH 76302<br>36823 | 1    | ASME A-4087<br>001 - | ok                    | —              |                 |
|                                                |                   |                    |                   |      |                      |                       |                |                 |
|                                                |                   |                    |                   |      |                      |                       |                |                 |
|                                                |                   |                    |                   |      |                      |                       |                |                 |
|                                                |                   |                    |                   |      |                      |                       |                |                 |
|                                                |                   |                    |                   |      |                      |                       |                |                 |
|                                                |                   |                    |                   |      |                      |                       |                |                 |
|                                                |                   |                    |                   |      |                      |                       |                |                 |
|                                                |                   |                    |                   |      |                      |                       |                |                 |

Entered / Checked By ;  
  
Name / Date 12/2/08

Reviewed By ;  
  
Name / Date 12/2/08

Verified / Confirmed By ;  
  
Name / Date 9/2/09



ANN JOO METAL SDN. BHD

|             |                             |
|-------------|-----------------------------|
| Customer :  | V6 Metal Technology (M) S/P |
| Dimension : | 25.4mm x 1524mm x 2438mm    |
| D/O No :    | 08/01/238                   |
| P/O No. :   | 00000519                    |
| Quantity :  | 1 pc                        |
| Date :      | 12/2/08                     |

|                  |                  |
|------------------|------------------|
| 証 明 書 番 号        | : ASHEX-4909-001 |
| Certificate No.  | CONTINUED        |
| 日 付              | : 2007-06-20     |
| Date             |                  |
| 船 名              |                  |
| Ship No.         | :                |
| 工 事 番 号          |                  |
| Construction No. | :                |
| 注 文 番 号          | : 7A30343        |
| Order No.        |                  |

|                        |                                |
|------------------------|--------------------------------|
| 需要家                    | : JST(M)                       |
| Customer               |                                |
| 需要家管理番号                | :                              |
| Customer's Control No. |                                |
| 注文者                    |                                |
| Shipper                | : JFE SHOJI TRADE CORPORATION  |
| 注文者照合番号                |                                |
| Reference No.          | : FF5 -FF548392                |
| 品名                     |                                |
| Commodity              | : HOT ROLLED STEEL PLATE       |
| &                      | :                              |
| 規格                     |                                |
| Specification          | : ASME SA-516 GRADE 70 2005 AD |

| 製造番号<br>Roll No.   |                   | 顧客管理番号<br>Customer's Control No. |      | 員数<br>Quantity | 質量<br>Mass<br>(CAL) | 化学成分<br>Chemical Composition (%) |       |     |      |     |      |      |      |     |     | 引張試験<br>Tensile Test |              |            |             | 備考<br>Remarks |
|--------------------|-------------------|----------------------------------|------|----------------|---------------------|----------------------------------|-------|-----|------|-----|------|------|------|-----|-----|----------------------|--------------|------------|-------------|---------------|
| 寸法<br>Size<br>(MM) | 行番<br>Item<br>No. | C                                | SI   |                |                     | Mn                               | P     | S   | CU   | NI  | MO   | CRS. | AL   | CE  | Q3  | 引張力<br>Y.P./Y.S.     | 引張強さ<br>T.S. | 伸び<br>E.L. | 引張比<br>%RBT |               |
| T X W X L          |                   | X100                             | X100 | X100           | X1000               | X100                             | X1000 | X10 | X100 | X10 | X100 | X100 | X100 | KSI | MPa | %                    | %            |            |             |               |
| SPECIFIED VALUE    |                   |                                  |      |                |                     |                                  |       |     |      |     |      |      |      |     |     |                      |              |            |             |               |
| WD62301            | 014               | 25.4 X 2438 X 9144               |      | 1              | 4445                | 19                               | 24    | 116 | 18   | 3   | 2    | 1    | 3    | 22  | 39  | TC 45.0              | 73.431       |            |             |               |
| WD62302            | 014               | 25.4 X 2438 X 9144               |      | 1              | 4445                |                                  |       |     |      |     |      |      |      |     |     |                      |              |            |             |               |
| WD62303            | 014               | 25.4 X 2438 X 9144               |      | 1              | 4445                |                                  |       |     |      |     |      |      |      |     |     |                      |              |            |             |               |
| WD62304            | 014               | 25.4 X 2438 X 9144               |      | 1              | 4445                |                                  |       |     |      |     |      |      |      |     |     |                      |              |            |             |               |
| WH76301            | 014               | 25.4 X 2438 X 9144               |      | 1              | 4445                |                                  |       |     |      |     |      |      |      |     |     |                      |              |            |             |               |
| WH76302            | 014               | 25.4 X 2438 X 9144               |      | 1              | 4445                |                                  |       |     |      |     |      |      |      |     |     |                      |              |            |             |               |
| WD62305            | 014               | 25.4 X 2438 X 9144               |      | 1              | 4445                |                                  |       |     |      |     |      |      |      |     |     |                      |              |            |             |               |

TRUE COPY

Cheng #8708

SDN BHD

No. 260316-PJ

(注) #1 母板記号の表示方法。Indication of Plate Roll Number  
(Notes) : 1.母板記号。2 letters&the 1st 3 figures:mother Plate Numbers  
: 2.分板記号。the last 2 figures:divided Plate Numbers  
#2 DG: 破カス、Degassed

|                          |                                                              |
|--------------------------|--------------------------------------------------------------|
| 位置 Position              | 衝撃部寸法 Size of Impact Test Specimen                           |
| T: 顶部 Top F: フランジ Flange | 1: 10X10mm 2: 7.5X10mm 3: 2.7X10mm 4: 5X10mm                 |
| B: 底部 Bottom W: ウェブ Web  | 5: 1/3X10mm 6: 2.5X10mm 7: Thickness X10mm                   |
| 方向 Direction             | 衝撃部特性単位 Unit of Impact Test Property                         |
| L: 縦 Longitudinal        | エネルギー Energy: K: kgf・m C: kgf・m/cm <sup>2</sup> J: Joule,    |
| C: 横 Transverse          | U: J/cm <sup>2</sup> F: ft. lbf. L: ft. lbf./cm <sup>2</sup> |
| Z: 厚 Through-thickness   | 破壊率 Fracture: S: 延性 Shear B: 脆性 Brittle                      |
|                          | 横裂出現 Lateral Expansion: M:mm I: mil                          |
|                          | # 6 BT 衝撃部 Bend Test                                         |
|                          | UST: 超音波 Ultrasonic Exam                                     |
|                          | G: 良好 Good                                                   |

| #  | Height    | Gauge | Length    |
|----|-----------|-------|-----------|
| A: | 200mm (■) | D:    | 50mm (■)  |
| E: | 50mm (●)  | H:    | 8" (■)    |
| J: | 2" (●)    | K:    | 5D (●)    |
| M: | 5.65A (●) | P:    | 5.65A (■) |
| R: | 4D (●)    | S:    | 80mm (■)  |
| U: | 100mm (■) | Y:    | 2" (■)    |
| T: | 70mm (●)  |       |           |

$$\#3 \text{ CEQ3} = C + MN/6 + (CU + NI)/15 + (CR + MO + V)/5$$

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東日本製鉄所 (京浜) : 〒210-0868 神奈川県川崎市川崎区扇島1番地1 East Japan works (Keihin) : 1-1, OHGISHIMA, KAWASAKI 210-0868 JAPAN

**H. Kito**  
東日本製鉄所 品質保証室  
Quality Assurance Section  
East Japan Works



JFE スチール 株式会社 東日本製鉄所(京浜)  
JFE Steel Corporation East Japan Works(Kaihin)

# 検査証明書 INSPECTION CERTIFICATE

需要家 : JST(M)  
Customer  
需要家管理番号 :  
Customer's Control No.  
注文者 : JFE SHOJI TRADE CORPORATION  
注文者照合番号 : FF5 -FF548392  
Reference No.  
品名 : HOT ROLLED STEEL PLATE  
Commodity  
&  
規格 : ASME SA-516 GRADE 70 2005 AD  
Specification

証明書番号 : ASHEX-4909-002  
Certificate No. CONTINUED  
日付 : 2007-06-20  
Date  
船番 :  
Ship No.  
工事番号 :  
Construction No.  
注文番号 : 7A30343  
Order No.

| 製品番号<br>Roll No. |                 | 需要家管理番号<br>Customer's Control No. |   | 数量<br>Quantity | 質量<br>Mass<br>(CAL) | 化学成分<br>Chemical Composition (%) |     |    |   |    |    |   |   |    |    | 引張試験<br>Tensile Test |    |    |      | 引張試験<br>Y.P./Y.S. | 引張試験<br>T.S. | 伸び<br>Elongation<br>% | 断面収縮<br>Reduction of Area<br>% | 試験位置<br>Test Position |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
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| 行番<br>Item No.   | 寸法<br>Size (MM) | T                                 | X |                |                     | W                                | X   | L  | C | Si | Mn | P | S | Cu | Ni | Mo                   | Cr | Al | CEQ3 |                   |              |                       |                                |                       | KSI |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 36825            | 014             | 25.4 X 2438 X 9144                | 1 | 4445           | 19                  | 24                               | 116 | 18 | 3 | 2  | 1  | 1 | 3 | 22 | 39 |                      |    |    |      |                   |              |                       |                                |                       |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |

CERTIFIED TRUE COPY

ANN YCO METAL SDN BHD  
(100 Dept) (Co. No. 260316 P)

(注) #1 母材表示番号の表示方法 Indication of Plate Roll Number  
(Notes) : 15桁: 母材番号. 2 letters&the 1st 3 figures: mother Plate Numbers  
#2 DG: 脱ガス. Degassed

#4 位置 Position

T: 頂部 Top F: フランジ Flange 1: 10X10mm 2: 7.5X10mm 3: 2/3X10mm 4: 5X10mm  
B: 底部 Bottom W: ウェブ Web 5: 1/3X10mm 6: 2.5X10mm 7: ThicknessX10mm  
方向 Direction  
L: 縦 Longitudinal  
C: 横 Transverse  
Z: 厚 Through-thickness  
単位 Unit of Impact Test Property  
エネルギー Energy: K: kgf. m C: kgf. m/cm. J: joule.  
U: J/cm. F: ft. lbf. L: ft. lbf/cm

試験 Fracture: S: 延性 Shear B: 脆性 Brittle  
試験 Lateral Expansion: M: mm l: mil

#6 BT : 曲げ試験 Bend Test

UST: 超音波検査 Ultrasonic Examination  
G : 合格 Good

#5 検定 Gauge Length  
A: 200mm (●) D: 50mm (●)  
E: 50mm (●) H: 8" (●)  
J: 2" (●) K: 5D (●)  
M: 5.65 (●) P: 5.65 (●)  
R: 4D (●) S: 80mm (●)  
U: 100mm (●) Y: 2" (●)  
T: 70mm (●)

#3 CEQ3=C+Mn/6+(Cu+Ni)/15+(Cr+Mo+V)/5

上記商品は検査の結果指定の規格に合格していることを証明いたします。

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED  
AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE  
REQUIREMENTS OF THE ABOVE SPECIFICATION.

(7B04510011BA)  
S3711 A04

東日本製鉄所(京浜) : 〒210-0868 神奈川県川崎市川崎区扇島1番地1 East Japan Works (Kaihin) : 1-1, OHGISHIMA, KAWASAKI 210-0868 JAPAN

H. Kito  
東日本製鉄所 品質保証  
Quality Assurance Section  
East Japan Works



|                        |                               |
|------------------------|-------------------------------|
| 需 要 家                  | :JST(M)                       |
| Customer               |                               |
| 需要家管理番号                | :                             |
| Customer's Control No. |                               |
| 注 文 者                  |                               |
| Shipper                | :JFE SHOJI TRADE CORPORATION  |
| 注文者照合番号                |                               |
| Reference No.          | :FF5 -FF548392                |
| 品 名                    |                               |
| Commodity              | :HOT ROLLED STEEL PLATE       |
| &                      | :                             |
| 規 格                    | :ASME SA-516 GRADE 70 2005 AD |

注文番号 : 7A30343  
Order No.

(注) #1 車牌號字的表示方法。 Indication of Plate Roll Number  
(Notes) :上5桁:母版號。 2 letters&the 1st 3 figures:mother Plate Numbers  
:下2桁:分版號。 the last 2 figures:divided Plate Numbers  
#2 DG:給ス。 Degassed

|    |          |
|----|----------|
| 13 | Position |
|----|----------|

衝擊試驗片尺寸法 Size of Impact Test Specimen

|     |                   |
|-----|-------------------|
| # 6 | 测点距端 Gauge Length |
|-----|-------------------|

T: 88 Top F: フランジ, Flange 1: 10x10mm 2: 7.5x10mm 3: 2/3x10mm 4: 5x10mm

b 5:1/3x10mm 6:2.5x10mm 7:Thicknessx10mm

A: 200mm (■) D: 50mm (■)

方向, Direction

衝擊試驗物性單位 Unit of Impact Test Property

E: 50mm (●)      H: 8" (■)  
J: 3" (▲)      K: 50 (△)

L:縱. Longitudinal

エネルギー. Energy: K: kgf. m, C: kgf. m/cm<sup>2</sup>, J: Joule.

M: 5.65A (●) P: 5.65A (●)

C:横 Transverse

U: J/cm<sup>2</sup>, F: ft. lbf, L: ft. lbf/cm

R:4D (●) S:80mm (●)

Z: 厚, Through-th

Fracture: S: 11, Shear B: 11, Brittle

U: 100mm (■) Y: 2" (■)

1. Lateral Expansion: M:mm I:ml

T : 70mm (●)

#8 BT : ~~Print~~ Send Test

UST:超聲波探測 Ultrason

G : 合格 Good

|   | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

上記商品は検査の結果指定の規格に合格していることを証明いたします。

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION.

(7B04510011BA)  
S3711 A04

東日本製鉄所(京浜): 千210-0868 神奈川県川崎市川崎区扇町1番地1 East Japan Works (Keihin): 1-1, OHGISHIMA, KAWASAKI 210-0868 JAPAN

*H. Kiko*  
東日本製鉄所 品質保証課  
Quality Assurance Section  
East Japan Works

VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
VG METAL TECHNOLOGY (M) SDN BHD

## IN-COMING MATERIAL INSPECTION RECORD

[illegible]

Prepared / Checked by

Reviewed by

**Verified / Confirmed by**


  
 Name: Chandra
  
 Date: 9/2/09

  
Name: VUM  
Date: 9/2/09.

Name: **Fakhri**  
 Date: **10/3/09**

POSCO

Customer: YG Metal Technology S16  
 Dimension: 117mm x 119mm x 3482mm  
 D/O No: 09/10/05 P/O No: 0000329  
 Quantity: 1pc Date: 7/2/09

# MILL'S TEST CERTIFICATE

CERTIFICATE NO.: 080617-PPSE-008-001

DATE OF ISSUE: JUN. 19, 2008

ORDER NO.: 0003270919

SUPPLIER: POSCO STEEL SERVICE AND SALES CO., LTD.

CUSTOMER: ANN JOO METAL SDN BHD

PO NO.: 3270919

COMMODITY: PLATE

SPEC & TYPE: ASME SA516 GR. 70 (EN10204 3.1B)

| Size/치수        | Product No.<br>제품번호 | Quantity<br>수량 | Weight<br>중량<br>(kg) | Heat No.<br>제강번호 | POSITION | Tensile/인장시험 |     |    | Bend<br>굽곡 | U<br>S<br>T | Hard-<br>ness<br>경도<br>HB | F.G.S | D<br>I<br>V<br>I<br>S<br>I<br>O<br>N | Chemical Composition/화합성분(%) |     |      |     |    |    |    |    |    |    |    |    |       |  |
|----------------|---------------------|----------------|----------------------|------------------|----------|--------------|-----|----|------------|-------------|---------------------------|-------|--------------------------------------|------------------------------|-----|------|-----|----|----|----|----|----|----|----|----|-------|--|
|                |                     |                |                      |                  |          | YP           | TS  | EL |            |             |                           |       |                                      | C                            | Si  | Mn   | P   | S  | Cr | Ni | Cu | Mo | Nb | Ti | V  | Se-Al |  |
|                |                     |                |                      |                  |          | (MPa)        | (%) |    |            |             |                           |       |                                      | -4                           | -3  | -3   | -4  | -4 | -2 | -2 | -3 | -2 | -3 | -3 | -3 | -3    |  |
| 12.7x1829x7315 | PA42134301-4303     | 3              | 4,002                | SA92588          | T        | 369          | 535 | 28 | Good       | G           | 159.9                     | 9.0   | L                                    | 1934                         | 389 | 1109 | 153 | 40 | 2  | 1  | 12 | Tr | Tr | 1  | 14 | 37    |  |
| 12.7x1829x7315 | PA42134201-4203     | 3              | 4,002                | SA92588          | T        | 369          | 535 | 25 | Good       | G           | 159.9                     | 9.0   | P                                    | 1970                         | 382 | 1115 | 145 | 47 | 2  | 1  | 13 | Tr | Tr | 1  | 13 | 40    |  |
| 12.7x1829x7315 | PA42133701-3703     | 3              | 4,002                | SA92588          | T        | 355          | 529 | 25 | Good       | G           | 159.9                     | 9.0   | P                                    | 1970                         | 382 | 1115 | 145 | 47 | 2  | 1  | 13 | Tr | Tr | 1  | 13 | 40    |  |
| 12.7x1829x7315 | PA42134001-4003     | 3              | 4,002                | SA92588          | T        | 380          | 541 | 25 | Good       | G           | 159.9                     | 9.0   | L                                    | 1934                         | 369 | 1109 | 153 | 40 | 2  | 1  | 12 | Tr | Tr | 1  | 14 | 37    |  |
| 12.7x1829x7315 | PA42133901-3903     | 3              | 4,002                | SA92588          | T        | 353          | 531 | 25 | Good       | G           | 159.9                     | 9.0   | P                                    | 1970                         | 382 | 1115 | 145 | 47 | 2  | 1  | 13 | Tr | Tr | 1  | 13 | 40    |  |
| 12.7x1829x7315 | PA42134101-4102     | 2              | 2,668                | SA92588          | T        | 368          | 536 | 25 | Good       | G           | 159.9                     | 9.0   | L                                    | 1934                         | 369 | 1109 | 153 | 40 | 2  | 1  | 12 | Tr | Tr | 1  | 14 | 37    |  |
| 12.7x1829x7315 | PA42133801          | 1              | 1,334                | SA92588          | T        | 354          | 526 | 25 | Good       | G           | 159.9                     | 9.0   | P                                    | 1970                         | 382 | 1115 | 145 | 47 | 2  | 1  | 13 | Tr | Tr | 1  | 13 | 40    |  |
| 12.7x1829x7315 | PA42133803          | 1              | 1,334                | SA92588          | T        | 354          | 526 | 25 | Good       | G           | 159.9                     | 9.0   | L                                    | 1934                         | 369 | 1109 | 153 | 40 | 2  | 1  | 12 | Tr | Tr | 1  | 14 | 37    |  |
| 12.7x1829x7315 | PC42035201-5205     | 5              | 6,670                | SB09057          | T        | 366          | 538 | 24 | Good       | G           | 181.0                     | 9.0   | P                                    | 1970                         | 382 | 1115 | 145 | 47 | 2  | 1  | 13 | Tr | Tr | 1  | 13 | 40    |  |
| 12.7x1829x7315 | PC42035101-5105     | 5              | 6,670                | SB09057          | T        | 375          | 540 | 24 | Good       | G           | 181.0                     | 9.0   | L                                    | 2061                         | 343 | 1078 | 140 | 28 | 2  | 1  | 8  | Tr | Tr | 1  | 14 | 37    |  |
|                |                     |                |                      |                  |          |              |     |    |            |             |                           |       | P                                    | 1964                         | 352 | 1079 | 140 | 20 | 2  | 1  | 10 | Tr | Tr | 1  | 13 | 41    |  |
|                |                     |                |                      |                  |          |              |     |    |            |             |                           |       | L                                    | 2061                         | 343 | 1078 | 140 | 28 | 2  | 1  | 8  | Tr | Tr | 1  | 14 | 37    |  |

- \* Position - T: Top, M: Middle, B: Bottom
- \* Tensile Test - Direction: Transversal, Gauge Length: 200mm(Rectangular).
- \* Bend Test - Direction: Transversal, Angle: 180°
- \* U.S.T(Ultrasonic Test)
- \* F.G.S(Ferrite Grain Size)
- \* Division - L:Ladle Analysis, P:Products Analysis
- \* Chemical Composition Unit: -2:x1/100, -3:x1/1000, -4:x1/10000, -5:x1/100000
- \* Tr: It is within the standard range(<0.008%) and include trace element.
- \* Supply Condition: As-Rolled unless otherwise Heat Treated.

We hereby certify that the material herein has been made in accordance with the order and specification.  
 This material has been fully killed and made by basic oxygen process.

CERTIFIED TRUE COPY

Chong 10/2/09

ANN JOO METAL SDN BHD  
 (LOG Dept) (Co. No. 260316-P)

This material has been made by vacuum degassing process. This material is fine grained steel.  
 \* This Mill Test Certificate cannot be copied for any purpose.

Surveyor To:

POSCO Pohang Works, 5 Dongchon-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do, 790-785, Korea

Chief of material testing section Jo, Won Gook

W.G. Jo

POSCO

# MILL'S TEST CERTIFICATE

CERTIFICATE NO. : 080617-PPSE-008-002

DATE OF ISSUE : JUN. 19, 2008

ORDER NO. : 0003270919

PO NO. : 3270919

SUPPLIER : POSCO STEEL SERVICE AND SALES CO., LTD.

COMMODITY : PLATE

CUSTOMER : ANN JOO METAL SDN BHD

SPEC & TYPE : ASME SA516 GR. 70 (EN10204 3.1B)

| Size/치수                 | Product No.<br>제품번호 | Quantity<br>수량 | Weight<br>중량<br>(kg) | Heat No.<br>재질번호 | POSITION | Tensile/인장시험 |     |     | Bend<br>/굽곡 | U<br>S<br>T | Hard-<br>ness<br>/경도<br>HB | F.G.S | D<br>I<br>V<br>I<br>S<br>I<br>O<br>N | Chemical Composition/화합성분(%) |     |      |     |    |    |    |    |    |    |    |    |        |
|-------------------------|---------------------|----------------|----------------------|------------------|----------|--------------|-----|-----|-------------|-------------|----------------------------|-------|--------------------------------------|------------------------------|-----|------|-----|----|----|----|----|----|----|----|----|--------|
|                         |                     |                |                      |                  |          | YP           | TS  | EL  |             |             |                            |       |                                      | C                            | Si  | Mn   | P   | S  | Cr | Ni | Cu | Mo | Nb | Ti | V  | Sol-Al |
|                         |                     |                |                      |                  |          | (MPa)        |     | (%) |             |             |                            |       |                                      | -4                           | -3  | -3   | -4  | -4 | -2 | -2 | -3 | -2 | -3 | -3 | -3 | -3     |
| *** Sub Total (010) *** |                     |                | 29                   |                  |          | 38,886 (kg)  |     |     |             |             |                            |       | P                                    | 1964                         | 352 | 1079 | 140 | 20 | 2  | 1  | 10 | Tr | Tr | 1  | 13 | 41     |
| 12.7x2438x9144          | PA42109701-9702     | 2              | 4,444                | SA92581          | T        | 349          | 545 | 25  | Good        | G           | 163.8                      | 9.5   | L                                    | 1940                         | 353 | 1103 | 176 | 26 | 2  | 3  | 30 | Tr | Tr | 1  | 17 | 32     |
| 12.7x2438x9144          | PA42109801-9802     | 2              | 4,444                | SA92581          | T        | 350          | 542 | 25  | Good        | G           | 163.8                      | 9.5   | P                                    | 1964                         | 358 | 1087 | 169 | 26 | 3  | 1  | 13 | Tr | Tr | 1  | 13 | 34     |
|                         |                     |                |                      |                  |          |              |     |     |             |             |                            |       | L                                    | 1940                         | 353 | 1103 | 176 | 26 | 2  | 3  | 30 | Tr | Tr | 1  | 17 | 32     |
| 12.7x2438x9144          | PA42110701-0702     | 2              | 4,444                | SA92581          | T        | 347          | 543 | 28  | Good        | G           | 163.8                      | 9.5   | P                                    | 1964                         | 356 | 1087 | 169 | 26 | 3  | 1  | 13 | Tr | Tr | 1  | 13 | 34     |
|                         |                     |                |                      |                  |          |              |     |     |             |             |                            |       | L                                    | 1940                         | 353 | 1103 | 176 | 26 | 2  | 3  | 30 | Tr | Tr | 1  | 17 | 32     |
| 12.7x2438x9144          | PA42109801-9802     | 2              | 4,444                | SA92585          | T        | 351          | 548 | 22  | Good        | G           | 162.0                      | 9.0   | P                                    | 1964                         | 356 | 1087 | 169 | 26 | 3  | 1  | 13 | Tr | Tr | 1  | 13 | 34     |
|                         |                     |                |                      |                  |          |              |     |     |             |             |                            |       | L                                    | 2054                         | 351 | 1102 | 151 | 26 | 2  | 1  | 11 | Tr | Tr | 1  | 14 | 36     |
| 12.7x2438x9144          | PA42111501-1502     | 2              | 4,444                | SA92585          | T        | 353          | 543 | 26  | Good        | G           | 162.0                      | 9.0   | P                                    | 1997                         | 368 | 1090 | 163 | 27 | 3  | 1  | 13 | Tr | Tr | 1  | 13 | 38     |
|                         |                     |                |                      |                  |          |              |     |     |             |             |                            |       | L                                    | 2054                         | 351 | 1102 | 151 | 26 | 2  | 1  | 11 | Tr | Tr | 1  | 14 | 36     |
| 12.7x2438x9144          | PA42110301-0302     | 2              | 4,444                | SA92585          | T        | 347          | 546 | 24  | Good        | G           | 162.0                      | 9.0   | P                                    | 1997                         | 368 | 1090 | 163 | 27 | 3  | 1  | 13 | Tr | Tr | 1  | 13 | 38     |
|                         |                     |                |                      |                  |          |              |     |     |             |             |                            |       | L                                    | 2054                         | 351 | 1102 | 151 | 26 | 2  | 1  | 11 | Tr | Tr | 1  | 14 | 36     |
| 12.7x2438x9144          | PA42110001-0002     | 2              | 4,444                | SA92585          | T        | 348          | 532 | 23  | Good        | G           | 162.0                      | 9.0   | P                                    | 1997                         | 368 | 1090 | 163 | 27 | 3  | 1  | 13 | Tr | Tr | 1  | 13 | 38     |
|                         |                     |                |                      |                  |          |              |     |     |             |             |                            |       | L                                    | 2054                         | 351 | 1102 | 151 | 26 | 2  | 1  | 11 | Tr | Tr | 1  | 14 | 36     |
| 12.7x2438x9144          | PA42110201-0202     | 2              | 4,444                | SA92585          | T        | 351          | 546 | 26  | Good        | G           | 162.0                      | 9.0   | L                                    | 2054                         | 351 | 1102 | 151 | 26 | 2  | 1  | 11 | Tr | Tr | 1  | 14 | 36     |
|                         |                     |                |                      |                  |          |              |     |     |             |             |                            |       | P                                    | 1997                         | 368 | 1090 | 163 | 27 | 3  | 1  | 13 | Tr | Tr | 1  | 13 | 38     |
| 12.7x2438x9144          | PA42110601-0602     | 2              | 4,444                | SA92585          | T        | 349          | 543 | 26  | Good        | G           | 162.0                      | 9.0   | L                                    | 2054                         | 351 | 1102 | 151 | 26 | 2  | 1  | 11 | Tr | Tr | 1  | 14 | 36     |

- \* Position - T : Top, M : Middle, B : Bottom
- \* Tensile Test. Direction : Transversal, Gauge Length : 200mm(Rectangular).
- \* Bend Test - Direction : Transversal, Angle : 180°
- \* U.S.T(Ultrasonic Test)
- \* F.G.S(Ferrite Grain Size)
- \* Division - L:Ladle Analysis, P:Products Analysis
- \* Chemical Composition Unit -2:x1/100, -3:x1/1000, -4:x1/10000, -5:x1/100000
- \* Tr : It is within the standard range(<0.008%) and include trace element.
- \* Supply Condition : As-Rolled unless otherwise Heat Treated.

We hereby certify that the material herein has been made in accordance with the order and specification.  
This material has been fully killed and made by basic oxygen process.

**CERTIFIED TRUE COPY**

*Chong 1072103*

ANN JOO METAL SDN BHD  
(LOG Dept) (Co. No. 260316-P)

This material has been made by vacuum degassing process. This material is fine grained steel.  
\* This Mill Test Certificate cannot be copied for any purpose.

Surveyor To:

*W.G. Jo*

Chief of material testing section Jo, Won Gook

POSCO Pohang Works, 5 Dongchon-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do, 790-785, Korea

POSCO

# MILL'S TEST CERTIFICATE

CERTIFICATE NO. : 080617-PPSE-008-001

DATE OF ISSUE : JUN. 19, 2008

ORDER NO. : 0003270919

PO NO. : 3270919

SUPPLIER : POSCO STEEL SERVICE AND SALES CO., LTD.

COMMODITY : PLATE

CUSTOMER : ANN JOO METAL SDN BHD

SPEC & TYPE : ASME SA516 GR. 70 (EN10204 3.1B)

| Product No.<br>제품번호 | D<br>I<br>V<br>I<br>S<br>I<br>O<br>N | Chemical Composition/화학적성분(%)<br>CEQ<br>-3 |
|---------------------|--------------------------------------|--------------------------------------------|
| PA42134301-4303     | L                                    | 387                                        |
| PA42134201-4203     | P                                    |                                            |
|                     | L                                    | 387                                        |
| PA42133701-3703     | P                                    |                                            |
|                     | L                                    | 387                                        |
| PA42134001-4003     | P                                    |                                            |
|                     | L                                    | 387                                        |
| PA42133901-3903     | P                                    |                                            |
|                     | L                                    | 387                                        |
| PA42134101-4102     | P                                    |                                            |
|                     | L                                    | 387                                        |
| PA42133601          | P                                    |                                            |
|                     | L                                    | 387                                        |
| PA42133603          | P                                    |                                            |
|                     | L                                    | 387                                        |
| PC42035201-5205     | P                                    |                                            |
|                     | L                                    | 394                                        |
| PC42035101-5105     | P                                    |                                            |
|                     | L                                    | 394                                        |

CERTIFIED TRUE COPY

*Chong 10/2/08*

ANN JOO METAL SDN BHD  
(LOG Dept) (Co. No. 260316-P)

We hereby certify that the material herein has been made in accordance with the order and specification.  
This material has been fully killed and made by basic oxygen process.

This material has been made by vacuum degassing process. This material is fine grained steel.  
\* This Mill Test Certificate cannot be copied for any purpose.

Surveyor To:

*W.G. Jo*

POSCO Pohang Works, 5 Dongchon-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do, 790-785, Korea

Chief of material testing section Jo, Won Gook



POSCO

# MILL'S TEST CERTIFICATE

CERTIFICATE NO. : 080617-PPSE-008-002

DATE OF ISSUE : JUN. 19, 2008

ORDER NO. : 0003270919

PO NO. : 3270919

SUPPLIER : POSCO STEEL SERVICE AND SALES CO., LTD.

COMMODITY : PLATE

CUSTOMER : ANN JOO METAL SDN BHD

SPEC & TYPE : ASME SA516 GR. 70 (EN10204 3.1B)

| Product No.<br>제품번호 | D<br>I<br>V<br>I<br>S<br>I<br>O<br>N | Chemical Composition/화학성분(%) |
|---------------------|--------------------------------------|------------------------------|
|                     |                                      | CEQ<br>-3                    |
| *** Sub Total       | P                                    |                              |
| PA42109701-9702     | L                                    | 389                          |
| PA42109801-9802     | L                                    | 389                          |
| PA42110701-0702     | L                                    | 389                          |
| PA42109601-9602     | L                                    | 397                          |
| PA42111501-1502     | L                                    | 397                          |
| PA42110301-0302     | L                                    | 397                          |
| PA42110001-0002     | L                                    | 397                          |
| PA42110201-0202     | L                                    | 397                          |
| PA42110801-0802     | L                                    | 397                          |

CERTIFIED TRUE COPY

ANN JOO METAL SDN BHD  
(LOG Dept) (Co. No. 260218.2)

We hereby certify that the material herein has been made in accordance with the order and specification.  
This material has been fully killed and made by basic oxygen process.

This material has been made by vacuum degassing process. This material is fine grained steel.  
\* This Mill Test Certificate cannot be copied for any purpose.

Surveyor To:

POSCO Pohang Works, 5 Dongchon-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do, 790-785, Korea

Chief of material testing section Jo, Won Gook

POSCO

# MILL'S TEST CERTIFICATE

CERTIFICATE NO.: 080617-PPSE-008-001

DATE OF ISSUE: JUN. 19, 2008

ORDER NO.: 0003270919

SUPPLIER: POSCO STEEL SERVICE AND SALES CO., LTD.

PO NO.: 3270919

COMMODITY: PLATE

CUSTOMER: ANN JOO METAL SDN BHD

SPEC & TYPE: ASME SA516 GR. 70 (EN10204 3.1B)

| Product No<br>/ 제품번호 | Ultrasonic Test |           |             |                    |             |             | Remarks                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-----------------|-----------|-------------|--------------------|-------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | Exam. Method    | Apparatus | Transducer  | Frequency<br>(MHz) | Sensitivity | Test Result |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42134301-4303      | 1               | 1         | 3           | 2                  | G           | 1           | 1. Application Spec.<br>:ASTM A435 (S1)<br><br>2. If recordable Defect according to<br>specifications is indicated. Defect charts<br>will be attached and mark "" in the test<br>result column shows that defect chart is<br>attached.<br><br>3. We hereby certify that the material<br>described herein has been examined in<br>accordance with above ultrasonic<br>specification and fully conformed thereto. |
| PA42134201-4203      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42133701-3703      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42134001-4003      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42133901-3903      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42134101-4102      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42133601           | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42133603           | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PC42035201-5205      | 2               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PC42035101-5105      | 2               | 1         | 3           | 5                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| *** Sub Total (0/0)* |                 | 28        | 38,686 (kg) | 5                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42109701-9702      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42109801-9802      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42110701-702       | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42109601-9602      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42111501-1502      | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42110301-302       | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42110001-02        | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PA42110201-202       | 1               | 1         | 3           | 2                  | G           | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                 |

CERTIFIED TRUE COPY

ANN JOO METAL SDN BHD  
(LOG Dept (Co. No 260316-P))

- \* Couplant : Water
- \* Examination method(1:Direct straight Beam, 2:Direct double beam, 3:Others)
- \* Apparatus-Maker & Model of Instrument(1:USK7S, 2:Others)
- \* Transducer(1:  $\phi$ 20mm, 2:  $\phi$ 24mm, 3:  $\phi$ 25mm or 25mm Square, 4:  $\phi$ 30mm, 5:Others)
- \* Sensitivity(A:RB-D-1<sub>a</sub>=50%+10DB, B:STB-N<sub>1</sub>=50%, C:STB-N<sub>1</sub>=70%, D:STB-G.V<sub>1.5-4.0</sub>=50%, E:STB-G.V<sub>1.5-4.0</sub>=80%, F:STB-G.V<sub>1.5-2.0</sub>=50%, G:BG=75 $\pm$ 5%, H:  $\phi$ 0.5mmDAC(t  $\leq$  60mm)  
I:  $\phi$ 11.0mmDAC(t > 60mm), J:  $\phi$ 8.0mmDAC(t > 60mm), K:  $\phi$ 5.0mmDAC(t > 60mm), L:8<sub>a</sub>=100%, M:  $\phi$ 0.5mmFBH=60%, N:Soviet 75ATM Sens., O:8S5996-93 Sens., X:Others)
- \* Test Result(1:Good, 2:Acceptable)

Surveyor To:

POSCO Pohang Works, 5 Dongchon-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do, 790-785, Korea

W.G. Jo  
Chief of material testing section Jo, Won Gook



**VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD**  
**VG METAL TECHNOLOGY (M) SDN BHD**

**IN-COMING MATERIAL INSPECTION RECORD**

| Client: SUBSEA EXPLORE<br>SERVICES (M) SDN BHD |                 | Project: 14FT CONTROL VAN<br>CONTAINER |          | Supplier Name:<br>SOON HOE<br>HARDWARE S/B |                | Supplier<br>D.N No.:<br>BO-07474<br>28/2/09 |         | Supplier<br>Delivery Date:<br>28/2/09 |  | Client Job No.:<br>— |  |
|------------------------------------------------|-----------------|----------------------------------------|----------|--------------------------------------------|----------------|---------------------------------------------|---------|---------------------------------------|--|----------------------|--|
| Item                                           | Specification   | Description                            | Heat No. | Qty.                                       | Mill Cert. No. | Appearance                                  | Remarks |                                       |  |                      |  |
| 1.                                             | 315 G 3131 SPAC | 2x1219x2438                            | 10701940 | 8                                          | 29247100       | OK                                          |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |
|                                                |                 |                                        |          |                                            |                |                                             |         |                                       |  |                      |  |

Prepared / Checked by

Reviewed by

Verified / Confirmed by

Name: Chen  
 Date: 28/2/09

Name: VUM  
 Date: 28/2/09

Name: Felix  
 Date: 28/2/09



**MEGASTEEL SDN BHD** (181104-T)



A Member of the Lion Group

## MILL TEST CERTIFICATE

Customer: **BOON EOE HARDWARE SDN BHD**

Commodity: **HOT ROLLED WILD STEEL PLATES, SHEETS & STRIPS**

Certificate No: **29247/00**

Customer Order No: **021067**

Specification: **JIS G 3131 SPHC**

D/O No: **87330**

Contract No.: **HR677B**

Date of Issue: **20/01/2007**

| Item No | Coil No    | Heat No  | Size (mm)<br>T X W X L | Quantity<br>(No of Coil) | Net Weight<br>(mt) | Mechanical Properties |         |       | Bend Test<br>(180°) | Impact Test<br>(J) | Chemical Composition (%) |      |      |        |       |  | Remarks |
|---------|------------|----------|------------------------|--------------------------|--------------------|-----------------------|---------|-------|---------------------|--------------------|--------------------------|------|------|--------|-------|--|---------|
|         |            |          |                        |                          |                    | Yield                 | Tensile | Elong |                     |                    | C                        | Si   | Mn   | P      | S     |  |         |
|         |            |          |                        |                          |                    | N/mm²                 | N/mm²   | %     |                     |                    | x 100                    |      |      | x 1000 |       |  |         |
| 1       | 0701030290 | 10701040 | 2.00X1219              | 1                        | 23.480             | 325.0                 | 885.0   | 28.0  | GOOD                |                    | 0.02                     | 0.02 | 0.21 | 0.007  | 0.004 |  |         |
|         |            |          |                        |                          |                    |                       | 724(B)  | 1 DWL |                     |                    |                          |      |      |        |       |  |         |

Remarks:

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION.

This is a computer generated form

No Signature Required

\_\_\_\_\_  
Authorised Signature

# SECTION 4

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## WELDING PROCEDURES

# VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN. BHD.

NO. 15-A, 1<sup>st</sup> FLOOR JALAN ANGGERIK X31/X, KOTA  
KEMUNING, 40460 SHAH ALAM, SELANGOR, MALAYSIA  
TEL: 603-51226692 FAX: 603-51226492

## MANUFACTURER'S WELDING PROCEDURE SPECIFICATION (WPS)

BS EN 288 - 2 : 1992

Page: 1 of 1

MANUFACTURER : VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN. BHD.

EXAMINER BODY : Det Norske Veritas

DATE OF WELDING: 12<sup>th</sup> May 2005

WPS NO: VGOCI/WPS/005

WPAR NO: VGOCI/WPAR/005

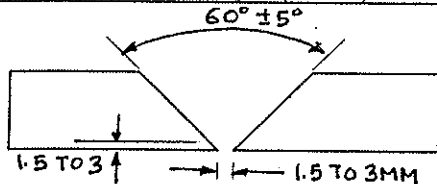
WELDER'S NAME  
WELDING PROCESS  
JOINT TYPE  
MATERIAL THICKNESS (MM)

ASMAW  
MIG (131)  
SINGLE VEE BUTT  
3 MM TO 25.4 MM

PARENT METAL SPECIFICATION  
METHOD OF  
PREP'TION/CLEANING  
OUTSIDE DIAMETER (MM)  
WELDING POSITION

SA 516 GR 70 (PLATE)  
OXY/ARC CUT/GRINDING  
> 500 mm  
PF (3G)

### WELDING PREPARATION DETAILS (SKETCH)\*



### WELDING DETAILS

| RUN          | PROCESS | SIZE OF FILLER METAL | CURRENT A | VOLTAGE V | CURRENT POLARITY | WIRE FEED SPEED (CM/MIN) | TRAVEL SPEED CM/MIN | HEAT INPUT KJ/CM |
|--------------|---------|----------------------|-----------|-----------|------------------|--------------------------|---------------------|------------------|
| Root         | MIG     | 1.0                  | 80-100    | 20-22     | DCRP             | 5-10                     | 4 TO 8              | 18 Max.          |
| Filler & cap | MIG     | 1.0                  | 80-130    | 20-24     | DCRP             | 5-10                     | 6 TO 10             | 20 Max.          |

FILLER METAL CLASSIFICATION AND TRADE NAME : ER 70S-6

ANY SPECIAL BAKING OR DRYING : NA

GAS/FLUX : - SHEILDING : CO2

- BACKING : NA

GAS FLOW RATE : - SHEILDING : CO2 (15-18 L/min)

- BACKING : NA

TUNGSTEN ELECTRODE TYPE/SIZE : NA

DETAILS OF BACKGOUGING/BACKING : GRINDING/WELD METAL

PREHEAT TEMPERATURE : 25° C MIN FOR t < 30 MM /

100° C MIN FOR t ≥ 30MM

INTERPASS TEMPERATURE : 250° C MAX.

### OTHERS INFORMATION :

- WEAVING (MAX. WIDTH OF RUN) : NA
- OSCILLATION : AMPLITUDE, FREQUENCY, DWELL TIME : NA
- PULSE WELDING DETAILS : NA
- PLASMA OFF DISTANCE : NA
- TORCH ANGLE : NA

### POST-WELD HEAT TREATMENT AND OR AGE:

TIME, TEMPERATURE, METHOD: NA

HEATING AND COOLING RATES: NA

PWHT WELD HEAT TREATMENT : NA

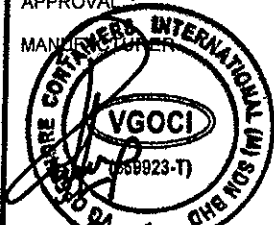
CHARPY IMPACT TEST : YES AT MINUS 20° C

### APPROVAL :

MANUFACTURER

EXAMINER OR TEST BODY

CLIENT



Name : Manoj Kumar

Date : 20/5/2005



Name : Manoj Kumar

Date : 20/5/2005

Name : \_\_\_\_\_

Date : \_\_\_\_\_

**WELDING PROCEDURE APPROVAL RECORD (WPAR)**  
**WELDING PROCEDURE APPROVAL - TEST CERTIFICATE**  
**BS EN 288 - 3 : 1992**

Page no: 1 of 3

MANUFACTURER : VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD

ADDRESS : NO. 15 - A, 1<sup>st</sup> FLOOR JALAN ANGERIK X31/X, KOTA KEMUNING, 40460 SHAH ALAM SELANGOR

MANUFACTURER'S WELDING PROCEDURE REFERENCE NO. : VGOCI/WPS/005

WPAR REF. NO. : VGOCI/WPAR/006

CODE/TESTING REFERENCE : BS EN 288 - 3 : 1992 / DNV 2.7.1

DATE OF WELDING : 12<sup>th</sup> May 2005

EXAMINER BODY : DET NORSKE VERITAS

EXAMINER REFERENCE NO. : -

**EXTEND OF APPROVAL**

|                            |                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WELDING PROCESS            | 131 (MIG)                                                                                                                                                                                                                                                      |
| JOINT TYPE                 | 1) Butt welds on plate-welded from one side with/without backing, welded from both sides with/without gouging.<br>2) T butt welds on plate - welded from one side without backing, welded from both sides without backing.<br>3) Fillet weld on plate and pipe |
| PARENT METAL (S)           | GROUP 1                                                                                                                                                                                                                                                        |
| CONDITIONS OF TEMPERED     | N/A                                                                                                                                                                                                                                                            |
| METAL THICKNESS (MM)       | 3 mm to 25.4 mm                                                                                                                                                                                                                                                |
| OUTSIDE DIAMETER (MM)      | > 500 mm                                                                                                                                                                                                                                                       |
| FILLER METAL TYPE          | ER 70S-6 (ESAB OK 12.64)                                                                                                                                                                                                                                       |
| SHIELDING GAS/FLUX         | CO2                                                                                                                                                                                                                                                            |
| TYPE OF WELDING CURRENT    | DCRP                                                                                                                                                                                                                                                           |
| WELDING POSITION           | BUTT WELD-PA (FLAT), PF (3G). FILLET WELD- PA (FLAT), PB (2F), PF (3F)                                                                                                                                                                                         |
| PREHEAT                    | 25 ° C MIN FOR t < 30 MM ; 100°C MIN FOR t > 30 mm                                                                                                                                                                                                             |
| POST - WELD HEAT TREATMENT | NA                                                                                                                                                                                                                                                             |
| OTHER INFORMATION          | CHARPY IMPACT TEST AT MINUS 20° C                                                                                                                                                                                                                              |

**APPROVAL :**

CERTIFIED THAT TEST WELDS PREPARED, WELDED AND TESTED SATISFACTORY IN ACCORDANCE WITH THE REQUIREMENT OF THE CODE/TESTING STANDARD INDICATED ABOVE.

MANUFACTURER

EXAMINER OR TEST BODY

CLIENT



Name: *Ramli Saamy alim*

Date: *20/5/2005*



Name: *PRINABDIN MALIK*

Date: *20/5/05*

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## BS EN 288 - 3 : 1992

Page no: 2 of 3

WPS NO: VGOCI/WPS/005

WPAR NO: VGOCI/WPAR/005

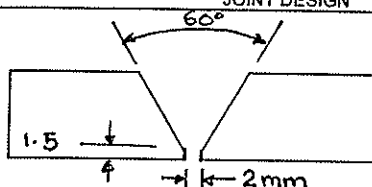
ASMAWI  
131 (MIG)  
SINGLE VEE BUTT  
12.7 mm

PARENT METAL SPECIFICATION  
METHOD OF PREP'TION/CLEANING  
OUTSIDE DIAMETER (MM)  
WELDING POSITION  
DATE WELDING TEST

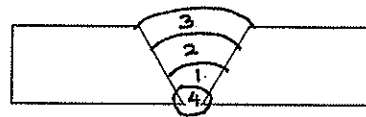
SA 516 GR 70  
OXY/ACT CUT/GRINDING  
PLATE  
PF (3G)  
12<sup>TH</sup> MAY 2005

WELDING PREPARATION DETAILS (SKETCH)\*

## JOINT DESIGN



## WELDING SEQUENCES



## WELDING DETAILS

[illegible]

FILLER METAL CLASSIFICATION AND TRADE NAME: ER 70S-6  
 ANY SPECIAL BAKING OR DRYING : AS PER MANUFACTURER'S SPEC.  
 GAS/FLUX : - SIELDING : CO2

GAS/FLUX : - SHEILDING : CO2  
 - BACKING : NA  
 GAS FLOW RATE : - SHEILDING : 15 - 18 L/MIN  
 - BACKING : NA

GAS FLOW RATE : - SHEILDING : 15 - 18 L/MIN  
- BACKING : NA

TUNGSTEN ELECTRODE TYPE/SIZE : NA

DETAILS OF BACKGOUNGING/BACKING: NA

PREHEAT TEMPERATURE : 25° C MIN FOR t < 30 MM /

100' C MIN FOR t > 30 MM

INTERPASS TEMPERATURE : 250° C MAX

OTHERS INFORMATION :

- WEAVING (MAX. WIDTH OF RUN) : 2 x ELECTRODE SIZE

- OSCILLATION : AMPLITUDE, FREQUENCY, DWELL TIME : NA

- PULSE WELDING DETAILS : NA

|                     |    |
|---------------------|----|
| PLASMA OFF DISTANCE | NA |
|---------------------|----|

- TORCH ANGLE : NA

Source: U.S. Census Bureau, *Marriage, Divorce, Remarriage in the 1990s*, Table 1.1.

PWHT - WELD HEAT TREATMENT : NA

CHARPY IMPACT TEST : YES AT MINUS 20' C

STANDARD INQUIRY TEST : TEST AT MINUS 20 °C

APPROVAL :

~~MANUFACTURER~~

EXAMINER OR TEST BODY

DOSH/CLIENT



Name: Lana Samy Alwan

Date: 20/5/2005



Name : MANISH MALIK

Date: 26/5/50

\*\*\*\*\*  
Name :

Date :

**TEST RESULTS**  
BS EN 288 - 3 : 1992

Page no: 3 of 3

WPS NO: VGOCI/WPS/005

WPAR NO: VGOCI/WPAR/005

VISUAL EXAMINATION  
PENETRANT  
MAGNETIC PARTICLE TEST

Satisfactory  
NA  
NA

RADIOGRAPHY  
ULTRASONIC EXAMINATION

Satisfactory-Report no:  
NDT/RT/32101-01/05  
NA

TENSILE TESTS : Transverse Tensile report no: MAT/0749-01/05

TEST TEMPERATURE : Room Temperature 30°C

| TYPE/NO. | Re<br>N/mm2 | Rm<br>N/mm2 | A<br>% | Z<br>% | FRACTURE<br>LOCATION | REMARKS |
|----------|-------------|-------------|--------|--------|----------------------|---------|
| T1       | -           | 554.48      | -      | -      | Base Metal           | Ductile |
| T2       | -           | 559.95      | -      | -      | Base Metal           | Ductile |
|          |             |             |        |        |                      |         |
|          |             |             |        |        |                      |         |

BEND TESTS : Side Bend report no: MAT/0749-01/05

FORMER DIAMETER : 4T

| TYPE/NO. | BEND ANGLE | REMARKS           | RESULT       |
|----------|------------|-------------------|--------------|
| S1       | 180 DEG.   | No visible defect | Satisfactory |
| S2       | 180 DEG.   | No visible defect | Satisfactory |
| S3       | 180 DEG.   | No visible defect | Satisfactory |
| S4       | 180 DEG.   | No visible defect | Satisfactory |
|          |            |                   |              |

MACRO EXAMINATION : Satisfactory. - Refer to attached report no: MAT/0749-01/05

MICRO EXAMINATION : NA

IMPACT TESTS :

TYPE : Charpy V Notch

SIZE : 55 x 10 x 10 mm

Report No : MAT/0749-01/05

| NOTCH LOCATION/<br>DIRECTION | TEMPERATURE<br>DEG. C | VALUES<br>(Joule) |     |     | AVERAGE<br>(Joule) | REMARKS |
|------------------------------|-----------------------|-------------------|-----|-----|--------------------|---------|
|                              |                       | 1                 | 2   | 3   |                    |         |
| Weld Metal                   | - 20                  | 64                | 70  | 62  | 65.3               | -       |
| Fusion Line                  | - 20                  | 60                | 92  | 64  | 72                 | -       |
| Fusion Line +2mm             | - 20                  | 100               | 104 | 120 | 108                | -       |
| Fusion Line +5mm             | - 20                  | 130               | 132 | 135 | 132.3              | -       |

OTHER TESTS : HARDNESS TEST - SATISFACTORY - ( SEE REPORT NO. MAT/0749-01/05)  
REMARKS : NA

TESTS CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF: BS EN 288-3 : 1992/ DNV 2.7.1

MANUFACTURER

EXAMINER OR TEST BODY

CLIENT



Name : *Ramasamy Alen*  
Date : *20/5/2005*

Name : *DMINIPIN*  
Date : *20/5/05*  
MALAYSIA

Name :  
Date :

# SECTION 5

---

## WELDERS QUALIFICATION CERTIFICATES



# VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD

No. 15-A, 1st Floor, Jalan Anggerik X31/X, Kota Kemuning, 40460 Shah Alam, Selangor, Malaysia

Tel: +603-5161 1610

Fax: +603-5161 1625

E-mail: enquiry@vgoci.com.my

Website: www.vgoci.com

## WELDER APPROVAL TEST CERTIFICATE (BS EN 287 : PART 1 - 1992)

Manufacturer's WPS used for test: VGOCI/WPS/005

Examiner or Test Body: DET NORSKE VERITAS (DNV)

Welder's Name: AL AMIN

Identity Card / Passport No.: Z0301965

Stamp No.: W18

Job Knowledge: ACCEPTABLE



| Required Welding Details        | Actual Weld Test Details            | Range of Approval                                                            |
|---------------------------------|-------------------------------------|------------------------------------------------------------------------------|
| Welding Process                 | 131 (MIG)                           | 131 (MIG)                                                                    |
| Plate or Pipe (P or T)          | Plate                               | Plate & Pipe $\geq$ 500mm OD                                                 |
| Joint type                      | BW (SINGLE VEE)                     | BW & FW                                                                      |
| Parent metal group(s)           | W01                                 | W01                                                                          |
| Filler metal type / designation | ER 70S-6                            | N/A                                                                          |
| Shielding gases                 | CO2                                 | CO2                                                                          |
| Auxiliaries                     | N/A                                 | N/A                                                                          |
| Test piece thickness (mm)       | 12.7 mm                             | 3 mm to 25.4 mm                                                              |
| Pipe outside diameter (mm)      | N/A                                 | $\geq$ 500mm OD                                                              |
| Welding position                | PF (3G)                             | Butt weld - PA (Flat), PF (3G),<br>Fillet weld - PA (Flat), PB (2F), PF (3F) |
| Gouging / backing               | Welded from both sides with gouging | Welded from one side with backing<br>Welded from both sides with gouging     |

### Other Information:

Date of Test: 24/07/2008

RT Report No.: NDT/RT/53166-01/08

| Type of Test                                                                                           | Performed & Acceptable | Not Required      | Manufacturer                                                                                           | Examiner or Test Body | DOSH Approval     |
|--------------------------------------------------------------------------------------------------------|------------------------|-------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| Visual                                                                                                 | YES                    |                   |                                                                                                        |                       |                   |
| Radiography                                                                                            | YES                    |                   |                                                                                                        |                       |                   |
| Magnetic Particle                                                                                      | -                      | N/R               |                                                                                                        |                       |                   |
| Dye Penetrant                                                                                          | -                      | N/R               |                                                                                                        |                       |                   |
| Macro                                                                                                  | -                      | N/R               |                                                                                                        |                       |                   |
| Fracture                                                                                               | -                      | N/R               |                                                                                                        |                       |                   |
| Bend                                                                                                   | -                      | N/R               | Date & Sign                                                                                            | Date & Sign           | Date & Sign       |
| Additional Test                                                                                        | -                      | N/R               | Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                       |                   |
| Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                        |                   | Date                                                                                                   | Signature             | Position or Title |
| Date                                                                                                   | Signature              | Position or Title |                                                                                                        |                       |                   |
| 2/2/09                                                                                                 |                        | QA/QC Engineer    |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |



# VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD

No. 15-A, 1st Floor, Jalan Anggerik X31/X, Kota Kemuning, 40460 Shah Alam, Selangor, Malaysia

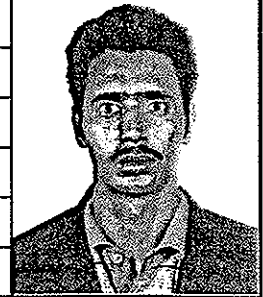
Tel: +603-5161 1610

Fax: +603-5161 1625

E-mail: enquiry@vgoci.com.my

Website: www.vgoci.com

## WELDER APPROVAL TEST CERTIFICATE (BS EN 287 : PART 1 - 1992)



Manufacturer's WPS used for test: VGOCI/WPS/005

Examiner or Test Body: DET NORSKE VERITAS (DNV)

Welder's Name: BABU

Identity Card / Passport No.: Z0683082

Stamp No.: W19

Job Knowledge: ACCEPTABLE

| Required Welding Details        | Actual Weld Test Details            | Range of Approval                                                            |
|---------------------------------|-------------------------------------|------------------------------------------------------------------------------|
| Welding Process                 | 131 (MIG)                           | 131 (MIG)                                                                    |
| Plate or Pipe (P or T)          | Plate                               | Plate & Pipe ≥ 500mm OD                                                      |
| Joint type                      | BW (SINGLE VEE)                     | BW & FW                                                                      |
| Parent metal group(s)           | W01                                 | W01                                                                          |
| Filler metal type / designation | ER 70S-6                            | N/A                                                                          |
| Shielding gases                 | CO2                                 | CO2                                                                          |
| Auxiliaries                     | N/A                                 | N/A                                                                          |
| Test piece thickness (mm)       | 12.7 mm                             | 3 mm to 25.4 mm                                                              |
| Pipe outside diameter (mm)      | N/A                                 | ≥ 500mm OD                                                                   |
| Welding position                | PF (3G)                             | Butt weld - PA (Flat), PF (3G),<br>Fillet weld - PA (Flat), PB (2F), PF (3F) |
| Gouging / backing               | Welded from both sides with gouging | Welded from one side with backing<br>Welded from both sides with gouging     |

### Other Information:

Date of Test: 24/07/2008

RT Report No.: NDT/RT/53166-01/08

| Type of Test                                                                                           | Performed & Acceptable | Not Required      | Manufacturer                                                                                           | Examiner or Test Body | DOSH Approval     |
|--------------------------------------------------------------------------------------------------------|------------------------|-------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| Visual                                                                                                 | YES                    |                   |                                                                                                        |                       |                   |
| Radiography                                                                                            | YES                    |                   |                                                                                                        |                       |                   |
| Magnetic Particle                                                                                      | -                      | N/R               |                                                                                                        |                       |                   |
| Dye Penetrant                                                                                          | -                      | N/R               |                                                                                                        |                       |                   |
| Macro                                                                                                  | -                      | N/R               |                                                                                                        |                       |                   |
| Fracture                                                                                               | -                      | N/R               |                                                                                                        |                       |                   |
| Bend                                                                                                   | -                      | N/R               | Date & Sign                                                                                            | Date & Sign           | Date & Sign       |
| Additional Test                                                                                        | -                      | N/R               | Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                       |                   |
| Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                        |                   | Date                                                                                                   | Signature             | Position or Title |
| Date                                                                                                   | Signature              | Position or Title |                                                                                                        |                       |                   |
| 2/2/09                                                                                                 |                        | Q/A/QC Engineer   |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |



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## WELDER APPROVAL TEST CERTIFICATE (BS EN 287 : PART 1 - 1992)

Manufacturer's WPS used for test: VGOCI/WPS/005

Examiner or Test Body: DET NORSKE VERITAS (DNV)

Welder's Name: KAYSER AHMED

Identity Card / Passport No.: B0584779

Stamp No.: W20

Job Knowledge: ACCEPTABLE



| Required Welding Details        | Actual Weld Test Details            | Range of Approval                                                            |
|---------------------------------|-------------------------------------|------------------------------------------------------------------------------|
| Welding Process                 | 131 (MIG)                           | 131 (MIG)                                                                    |
| Plate or Pipe (P or T)          | Plate                               | Plate & Pipe $\geq$ 500mm OD                                                 |
| Joint type                      | BW (SINGLE VEE)                     | BW & FW                                                                      |
| Parent metal group(s)           | W01                                 | W01                                                                          |
| Filler metal type / designation | ER 70S-6                            | N/A                                                                          |
| Shielding gases                 | CO2                                 | CO2                                                                          |
| Auxiliaries                     | N/A                                 | N/A                                                                          |
| Test piece thickness (mm)       | 12.7 mm                             | 3 mm to 25.4 mm                                                              |
| Pipe outside diameter (mm)      | N/A                                 | $\geq$ 500mm OD                                                              |
| Welding position                | PF (3G)                             | Butt weld - PA (Flat), PF (3G),<br>Fillet weld - PA (Flat), PB (2F), PF (3F) |
| Gouging / backing               | Welded from both sides with gouging | Welded from one side with backing<br>Welded from both sides with gouging     |

### Other information:

Date of Test: 24/07/2008

RT Report No.: NDT/RT/53166-01/08

| Type of Test                                                                                           | Performed & Acceptable | Not Required      | Manufacturer                                                                                           | Examiner or Test Body | DOSH Approval     |
|--------------------------------------------------------------------------------------------------------|------------------------|-------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| Visual                                                                                                 | YES                    |                   |                                                                                                        |                       |                   |
| Radiography                                                                                            | YES                    |                   |                                                                                                        |                       |                   |
| Magnetic Particle                                                                                      | -                      | N/R               |                                                                                                        |                       |                   |
| Dye Penetrant                                                                                          | -                      | N/R               |                                                                                                        |                       |                   |
| Macro                                                                                                  | -                      | N/R               |                                                                                                        |                       |                   |
| Fracture                                                                                               | -                      | N/R               |                                                                                                        |                       |                   |
| Bend                                                                                                   | -                      | N/R               | Date & Sign                                                                                            | Date & Sign           | Date & Sign       |
| Additional Test                                                                                        | -                      | N/R               | Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                       |                   |
| Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                        |                   | Date                                                                                                   | Signature             | Position or Title |
| Date                                                                                                   | Signature              | Position or Title |                                                                                                        |                       |                   |
| 2/2/09                                                                                                 |                        | QA/QC Engineer    |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |



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## WELDER APPROVAL TEST CERTIFICATE (BS EN 287 : PART 1 - 1992)

Manufacturer's WPS used for test: VGOCI/WPS/005

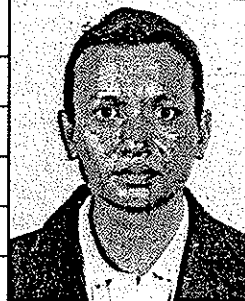
Examiner or Test Body: DET NORSKE VERITAS (DNV)

Welder's Name: MUKTER ALI

Identity Card / Passport No.: X0057304

Stamp No.: W22

Job Knowledge: ACCEPTABLE



| Required Welding Details        | Actual Weld Test Details            | Range of Approval                                                            |
|---------------------------------|-------------------------------------|------------------------------------------------------------------------------|
| Welding Process                 | 131 (MIG)                           | 131 (MIG)                                                                    |
| Plate or Pipe (P or T)          | Plate                               | Plate & Pipe $\geq$ 500mm OD                                                 |
| Joint type                      | BW (SINGLE VEE)                     | BW & FW                                                                      |
| Parent metal group(s)           | W01                                 | W01                                                                          |
| Filler metal type / designation | ER 70S-6                            | N/A                                                                          |
| Shielding gases                 | CO2                                 | CO2                                                                          |
| Auxiliaries                     | N/A                                 | N/A                                                                          |
| Test piece thickness (mm)       | 12.7 mm                             | 3 mm to 25.4 mm                                                              |
| Pipe outside diameter (mm)      | N/A                                 | $\geq$ 500mm OD                                                              |
| Welding position                | PF (3G)                             | Butt weld - PA (Flat), PF (3G),<br>Fillet weld - PA (Flat), PB (2F), PF (3F) |
| Gouging / backing               | Welded from both sides with gouging | Welded from one side with backing<br>Welded from both sided with gouging     |

### Other information:

Date of Test: 24/07/2008

RT Report No.: NDT/RT/53166-01/08

| Type of Test                                                                                           | Performed & Acceptable | Not Required      | Manufacturer                                                                                           | Examiner or Test Body | DOSH Approval     |
|--------------------------------------------------------------------------------------------------------|------------------------|-------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| Visual                                                                                                 | YES                    |                   |                                                                                                        |                       |                   |
| Radiography                                                                                            | YES                    |                   |                                                                                                        |                       |                   |
| Magnetic Particle                                                                                      | -                      | N/R               |                                                                                                        |                       |                   |
| Dye Penetrant                                                                                          | -                      | N/R               |                                                                                                        |                       |                   |
| Macro                                                                                                  | -                      | N/R               |                                                                                                        |                       |                   |
| Fracture                                                                                               | -                      | N/R               |                                                                                                        |                       |                   |
| Bend                                                                                                   | -                      | N/R               | Date & Sign                                                                                            | Date & Sign           | Date & Sign       |
| Additional Test                                                                                        | -                      | N/R               | Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                       |                   |
| Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                        |                   | Date                                                                                                   | Signature             | Position or Title |
| Date                                                                                                   | Signature              | Position or Title |                                                                                                        |                       |                   |
| 2/2/09                                                                                                 |                        | QA/QC Engineer    |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |



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## WELDER APPROVAL TEST CERTIFICATE (BS EN 287 : PART 1 - 1992)

Manufacturer's WPS used for test: VGOCI/WPS/005

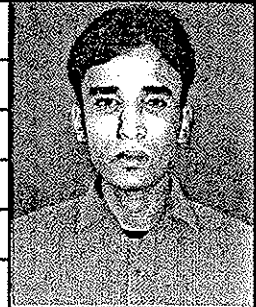
Examiner or Test Body: DET NORSKE VERITAS (DNV)

Welder's Name: MASUD ABU KALAM

Identity Card / Passport No.: A0387757

Stamp No.: W21

Job Knowledge: ACCEPTABLE



| Required Welding Details        | Actual Weld Test Details            | Range of Approval                                                            |
|---------------------------------|-------------------------------------|------------------------------------------------------------------------------|
| Welding Process                 | 131 (MIG)                           | 131 (MIG)                                                                    |
| Plate or Pipe (P or T)          | Plate                               | Plate & Pipe $\geq$ 500mm OD                                                 |
| Joint type                      | BW (SINGLE VEE)                     | BW & FW                                                                      |
| Parent metal group(s)           | W01                                 | W01                                                                          |
| Filler metal type / designation | ER 70S-6                            | N/A                                                                          |
| Shielding gases                 | CO2                                 | CO2                                                                          |
| Auxiliaries                     | N/A                                 | N/A                                                                          |
| Test piece thickness (mm)       | 12.7 mm                             | 3 mm to 25.4 mm                                                              |
| Pipe outside diameter (mm)      | N/A                                 | $\geq$ 500mm OD                                                              |
| Welding position                | PF (3G)                             | Butt weld - PA (Flat), PF (3G),<br>Fillet weld - PA (Flat), PB (2F), PF (3F) |
| Gouging / backing               | Welded from both sides with gouging | Welded from one side with backing<br>Welded from both sided with gouging     |

### Other information:

Date of Test: 24/07/2008

RT Report No.: NDT/RT/53166-01/08

| Type of Test                                                                                           | Performed & Acceptable | Not Required      | Manufacturer                                                                                           | Examiner or Test Body | DOSH Approval     |
|--------------------------------------------------------------------------------------------------------|------------------------|-------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| Visual                                                                                                 | YES                    |                   |                                                                                                        |                       |                   |
| Radiography                                                                                            | YES                    |                   |                                                                                                        |                       |                   |
| Magnetic Particle                                                                                      | -                      | N/R               |                                                                                                        |                       |                   |
| Dye Penetrant                                                                                          | -                      | N/R               |                                                                                                        |                       |                   |
| Macro                                                                                                  | -                      | N/R               |                                                                                                        |                       |                   |
| Fracture                                                                                               | -                      | N/R               |                                                                                                        |                       |                   |
| Bend                                                                                                   | -                      | N/R               | Date & Sign                                                                                            | Date & Sign           | Date & Sign       |
| Additional Test                                                                                        | -                      | N/R               | Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                       |                   |
| Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                        |                   | Date                                                                                                   | Signature             | Position or Title |
| Date                                                                                                   | Signature              | Position or Title |                                                                                                        |                       |                   |
| 2/2/09                                                                                                 |                        | QA/QC Engineer    |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |



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## WELDER APPROVAL TEST CERTIFICATE (BS EN 287 : PART 1 - 1992)

Manufacturer's WPS used for test: VGOCI/WPS/005

Examiner or Test Body: DET NORSKE VERITAS (DNV)

Welder's Name: SOHEL RANA

Identity Card / Passport No.: Z0425687

Stamp No.: W26

Job Knowledge: ACCEPTABLE



| Required Welding Details        | Actual Weld Test Details            | Range of Approval                                                            |
|---------------------------------|-------------------------------------|------------------------------------------------------------------------------|
| Welding Process                 | 131 (MIG)                           | 131 (MIG)                                                                    |
| Plate or Pipe (P or T)          | Plate                               | Plate & Pipe $\geq$ 500mm OD                                                 |
| Joint type                      | BW (SINGLE VEE)                     | BW & FW                                                                      |
| Parent metal group(s)           | W01                                 | W01                                                                          |
| Filler metal type / designation | ER 70S-6                            | N/A                                                                          |
| Shielding gases                 | CO2                                 | CO2                                                                          |
| Auxiliaries                     | N/A                                 | N/A                                                                          |
| Test piece thickness (mm)       | 12.7 mm                             | 3 mm to 25.4 mm                                                              |
| Pipe outside diameter (mm)      | N/A                                 | $\geq$ 500mm OD                                                              |
| Welding position                | PF (3G)                             | Butt weld - PA (Flat), PF (3G),<br>Fillet weld - PA (Flat), PB (2F), PF (3F) |
| Gouging / backing               | Welded from both sides with gouging | Welded from one side with backing<br>Welded from both sides with gouging     |

### Other Information:

Date of Test: 24/07/2008

RT Report No.: NDT/RT/53166-01/08

| Type of Test                                                                                           | Performed & Acceptable | Not Required      | Manufacturer                                                                                           | Examiner or Test Body | DOSH Approval     |
|--------------------------------------------------------------------------------------------------------|------------------------|-------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| Visual                                                                                                 | YES                    |                   |                                                                                                        |                       |                   |
| Radiography                                                                                            | YES                    |                   |                                                                                                        |                       |                   |
| Magnetic Particle                                                                                      | -                      | N/R               |                                                                                                        |                       |                   |
| Dye Penetrant                                                                                          | -                      | N/R               |                                                                                                        |                       |                   |
| Macro                                                                                                  | -                      | N/R               |                                                                                                        |                       |                   |
| Fracture                                                                                               | -                      | N/R               |                                                                                                        |                       |                   |
| Bend                                                                                                   | -                      | N/R               | Date & Sign                                                                                            | Date & Sign           | Date & Sign       |
| Additional Test                                                                                        | -                      | N/R               | Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                       |                   |
| Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                        |                   | Date                                                                                                   | Signature             | Position or Title |
| Date                                                                                                   | Signature              | Position or Title |                                                                                                        |                       |                   |
| 21/10/09                                                                                               |                        | QA/QC Engineer    |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |



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## WELDER APPROVAL TEST CERTIFICATE (BS EN 287 : PART 1 - 1992)

Manufacturer's WPS used for test: VGOCI/WPS/005

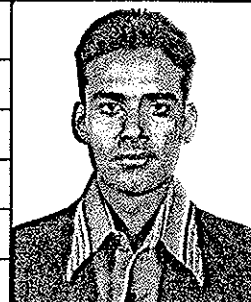
Examiner or Test Body: DET NORSKE VERITAS (DNV)

Welder's Name: NAZMUL HASAN

Identity Card / Passport No.: W0359826

Stamp No.: W24

Job Knowledge: ACCEPTABLE



| Required Welding Details        | Actual Weld Test Details            | Range of Approval                                                            |
|---------------------------------|-------------------------------------|------------------------------------------------------------------------------|
| Welding Process                 | 131 (MIG)                           | 131 (MIG)                                                                    |
| Plate or Pipe (P or T)          | Plate                               | Plate & Pipe $\geq$ 500mm OD                                                 |
| Joint type                      | BW (SINGLE VEE)                     | BW & FW                                                                      |
| Parent metal group(s)           | W01                                 | W01                                                                          |
| Filler metal type / designation | ER 70S-6                            | N/A                                                                          |
| Shielding gases                 | CO2                                 | CO2                                                                          |
| Auxiliaries                     | N/A                                 | N/A                                                                          |
| Test piece thickness (mm)       | 12.7 mm                             | 3 mm to 25.4 mm                                                              |
| Pipe outside diameter (mm)      | N/A                                 | $\geq$ 500mm OD                                                              |
| Welding position                | PF (3G)                             | Butt weld - PA (Flat), PF (3G),<br>Fillet weld - PA (Flat), PB (2F), PF (3F) |
| Gouging / backing               | Welded from both sides with gouging | Welded from one side with backing<br>Welded from both sided with gouging     |

### Other Information:

Date of Test: 24/07/2008

RT Report No.: NDT/RT/53166-01/08

| Type of Test                                                                                           | Performed & Acceptable | Not Required      | Manufacturer                                                                                           | Examiner or Test Body | DOSH Approval     |
|--------------------------------------------------------------------------------------------------------|------------------------|-------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| Visual                                                                                                 | YES                    |                   |                                                                                                        |                       |                   |
| Radiography                                                                                            | YES                    |                   |                                                                                                        |                       |                   |
| Magnetic Particle                                                                                      | -                      | N/R               |                                                                                                        |                       |                   |
| Dye Penetrant                                                                                          | -                      | N/R               |                                                                                                        |                       |                   |
| Macro                                                                                                  | -                      | N/R               |                                                                                                        |                       |                   |
| Fracture                                                                                               | -                      | N/R               |                                                                                                        |                       |                   |
| Bend                                                                                                   | -                      | N/R               | Date & Sign                                                                                            | Date & Sign           | Date & Sign       |
| Additional Test                                                                                        | -                      | N/R               | Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                       |                   |
| Prolongation for approval by employer / co-ordinator for the following 6 months (Refer to 10.1 & 10.2) |                        |                   | Date                                                                                                   | Signature             | Position or Title |
| Date                                                                                                   | Signature              | Position or Title |                                                                                                        |                       |                   |
| 22/10/09                                                                                               |                        | QA/QC Engineer    |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |
|                                                                                                        |                        |                   |                                                                                                        |                       |                   |

# SECTION 6

---

## MANUFACTURER INSPECTION REPORTS



Client: **SUBSEA EXPLORE SERVICES (M) SDN BHD**  
 Project Name: **14FT CONTROL VAN CONTAINER**  
 Drawing No: **VGOC-CV-14-8-8.5-R0**  
 Model no.: **VGOC-CV-14-8-8.5**

Manufacturer serial no: VG 1057  
Report No. VG / FUI / 001  
Page: 1 of 1

## FIT-UP INSPECTION

|                |  |
|----------------|--|
| Checked By QC: |  |
|----------------|--|

| NO | CHECK POINT                | OK | FAIL | RE-WORK | RE-INSPECT | DATE OF INSPECTION | Comment |
|----|----------------------------|----|------|---------|------------|--------------------|---------|
| 1  | Bottom Side Rail Fit-Up    | ✓  |      |         |            | 6/2/2009           |         |
| 2  | Bottom End Rail Fit-Up     | ✓  |      |         |            | 6/2/2009           |         |
| 3  | Cross Members Fit-Up       | ✓  |      |         |            | 9/2/2009           |         |
| 4  | Fork Pocket Fit-Up         | ✓  |      |         |            | 6/2/2009           |         |
| 5  | Corner Post Fit-Up         | ✓  |      |         |            | 18/2/2009          |         |
| 6  | Top Side Rail Fit-Up       | ✓  |      |         |            | 18/2/2009          |         |
| 7  | Top End Rail Fit-Up        | ✓  |      |         |            | 18/2/2009          |         |
| 8  | Padeye Fit-up              | ✓  |      |         |            | 16/2/2009          |         |
| 9  | Door Fit-up                | ✓  |      |         |            | 24/2/2009          |         |
| 10 | Side Wall Fit-up           | ✓  |      |         |            | 20/2/2009          |         |
| 11 | Roof panel Fit-up          | ✓  |      |         |            | 21/2/2009          |         |
| 12 | Bottom Side Rail alignment | ✓  |      |         |            | 6/2/2009           |         |
| 13 | Bottom End Rail alignment  | ✓  |      |         |            | 6/2/2009           |         |
| 14 | Cross Members alignment    | ✓  |      |         |            | 9/2/2009           |         |
| 15 | Fork Pocket alignment      | ✓  |      |         |            | 6/2/2009           |         |
| 16 | Corner Post alignment      | ✓  |      |         |            | 18/2/2009          |         |
| 17 | Fork Pocket alignment      | ✓  |      |         |            | 6/2/2009           |         |
| 18 | Top Side Rail alignment    | ✓  |      |         |            | 18/2/2009          |         |
| 19 | Top End Rail alignment     | ✓  |      |         |            | 18/2/2009          |         |
| 20 | Padeye alignment           | ✓  |      |         |            | 16/2/2009          |         |
| 21 | Door alignment             | ✓  |      |         |            | 24/2/2009          |         |
| 22 | Side Wall alignment        | ✓  |      |         |            | 20/2/2009          |         |
| 23 | Roof Panel alignment       | ✓  |      |         |            | 21/2/2009          |         |

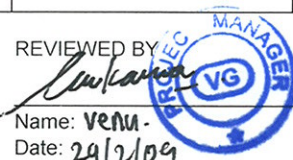
Other Part Fit-up And alignment ( please state)



ENTERED BY / CHECKED BY

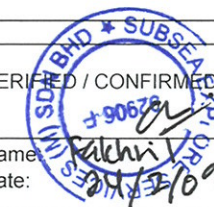
Name: Chandra  
Date: 24/2/09

REVIEWED BY



Name: venu.  
Date: 24/2/09

VERIFIED / CONFIRMED BY (if applicable)



Name: Falchini  
Date: 24/11/20



VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
VG METAL TECHNOLOGY (M) SDN BHD

APPENDIX 1

DOC NO: VG-SOP-14b-04

Revision 0 Date: 21/11/2008

VISUAL INSPECTION REPORT

Client: SUBSEA EXPLORE SERVICES (M) SDN BHD

Report No.VG/ VIR / 1057/ 001

Project Name: 14FT CONTROL VAN CONTAINER

Assembly Section: SIDE WALL , REAR , FRONT , ROOF, BASE

Drawing No: VGOCl-DWG- VG-14-8-8.5-R0

Model No: VGOCl-CV-14-8-8.5

Serial No: VG 1057

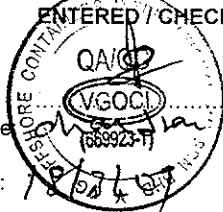
Date: 18/3/2009

|    |                  |                 | WELDING WORKS |      |         |            |          |      | SPATTERS |         |            |          |      |      | APPEARANCE |            |          |  |        |         |  |  |
|----|------------------|-----------------|---------------|------|---------|------------|----------|------|----------|---------|------------|----------|------|------|------------|------------|----------|--|--------|---------|--|--|
| No | Part             | Weld Map No.    | Pass          | Fail | Re-Work | Re-Inspect | Accepted | Pass | Fail     | Re-Work | Re-Inspect | Accepted | Pass | Fail | Re-Work    | Re-Inspect | Accepted |  | OTHERS | REMARKS |  |  |
| 1  | Bottom Side Rail | N/A             | ✓             |      |         |            |          | ✓    |          |         |            |          | ✓    |      |            |            |          |  |        |         |  |  |
| 2  | Bottom End Rail  | N/A             | ✓             |      |         |            |          | ✓    |          |         |            |          | ✓    |      |            |            |          |  |        |         |  |  |
| 3  | Top Side Rail    | N/A             | ✓             |      |         |            |          | ✓    |          |         |            |          | ✓    |      |            |            |          |  |        |         |  |  |
| 4  | Top End Rail     | N/A             | ✓             |      |         |            |          | ✓    |          |         |            |          | ✓    |      |            |            |          |  |        |         |  |  |
| 5  | Cross Members    | N/A             | ✓             |      |         |            |          | ✓    |          |         |            |          | ✓    |      |            |            |          |  |        |         |  |  |
| 6  | Corner Post      | N/A             | ✓             |      |         |            |          | ✓    |          |         |            |          | ✓    |      |            |            |          |  |        |         |  |  |
| 7  | Side Wall        | N/A             | ✓             |      |         |            |          | ✓    |          |         |            |          | ✓    |      |            |            |          |  |        |         |  |  |
| 8  | Pade eyes        | WMR-VG-1057-002 | ✓             |      |         |            |          | ✓    |          |         |            |          | ✓    |      |            |            |          |  |        |         |  |  |
| 9  | Roof             |                 |               |      |         |            |          |      |          |         |            |          |      |      |            |            |          |  |        |         |  |  |
| 10 |                  |                 |               |      |         |            |          |      |          |         |            |          |      |      |            |            |          |  |        |         |  |  |
| 11 |                  |                 |               |      |         |            |          |      |          |         |            |          |      |      |            |            |          |  |        |         |  |  |
| 12 |                  |                 |               |      |         |            |          |      |          |         |            |          |      |      |            |            |          |  |        |         |  |  |
| 13 |                  |                 |               |      |         |            |          |      |          |         |            |          |      |      |            |            |          |  |        |         |  |  |
| 14 |                  |                 |               |      |         |            |          |      |          |         |            |          |      |      |            |            |          |  |        |         |  |  |
| 15 |                  |                 |               |      |         |            |          |      |          |         |            |          |      |      |            |            |          |  |        |         |  |  |

ENTERED / CHECKED BY

Name:

Date:



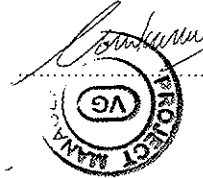
REVIEWED BY

Name:

Date:

Verukanna

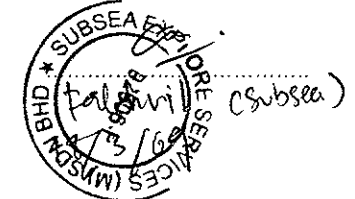
18/3/09



VERIFIED / CONFIRMED BY

Name:

Date:



100

Report No.: VG/FIR/1057/001

Manufacturer Serial No.: VG 1057

|                    |  |
|--------------------|--|
| MEMBERS INTERESTED |  |
|                    |  |

REVIEWED BY



Name: **Venu**  
Date: **27/11/2023**





## APPENDIX 1

DOC NO: VG-SOP-14b-13

Revision 0 Date: 01/08/2008

## FIT-UP INSPECTION

Client: SUBSEA EXPLORE SERVICES (M) SDN BHD  
Project Name: 14FT CONTROL VAN CONTAINER  
Drawing No: VGOCV-CV-14-8-8.5-R0  
Model no.: VGOCV-CV-14-8-8.5

Manufacturer serial no:  
Report No. VGIFUN

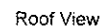


Sidewall Left

Sidewall Right



Rear end



Checked By QC:

| NO | CHECK POINT                | OK | FAIL | RE-<br>WORK | RE-<br>INSPECT | DATE OF<br>INSPECTION | Comment |
|----|----------------------------|----|------|-------------|----------------|-----------------------|---------|
| 1  | Bottom Side Rail Fit-Up    | ✓  |      |             |                | 6/2/2009              |         |
| 2  | Bottom End Rail Fit-Up     | ✓  |      |             |                | 6/2/2009              |         |
| 3  | Cross Members Fit-Up       | ✓  |      |             |                | 9/2/2009              |         |
| 4  | Fork Pocket Fit-Up         | ✓  |      |             |                | 6/2/2009              |         |
| 5  | Corner Post Fit-Up         | ✓  |      |             |                | 18/2/2009             |         |
| 6  | Fork Pocket Fit-Up         | ✓  |      |             |                | 18/2/2009             |         |
| 7  | Top Side Rail Fit-Up       | ✓  |      |             |                | 18/2/2009             |         |
| 8  | Top End Rail Fit-Up        | ✓  |      |             |                | 18/2/2009             |         |
| 9  | Padeye Fit-up              | ✓  |      |             |                | 16/2/2009             |         |
| 10 | Door Fit-up                | ✓  |      |             |                | 24/2/2009             |         |
| 11 | Side Wall Fit-up           | ✓  |      |             |                | 20/2/2009             |         |
| 12 | Roof panel Fit-up          | ✓  |      |             |                | 21/2/2009             |         |
| 13 | Bottom Side Rail alignment | ✓  |      |             |                | 6/2/2009              |         |
| 14 | Bottom End Rail alignment  | ✓  |      |             |                | 6/2/2009              |         |
| 15 | Cross Members alignment    | ✓  |      |             |                | 9/2/2009              |         |
| 16 | Fork Pocket alignment      | ✓  |      |             |                | 6/2/2009              |         |
| 17 | Corner Post alignment      | ✓  |      |             |                | 18/2/2009             |         |
| 18 | Fork Pocket alignment      | ✓  |      |             |                | 6/2/2009              |         |
| 19 | Top Side Rail alignment    | ✓  |      |             |                | 18/2/2009             |         |
| 20 | Top End Rail alignment     | ✓  |      |             |                | 18/2/2009             |         |
| 21 | Padeye alignment           | ✓  |      |             |                | 16/2/2009             |         |
| 22 | Door alignment             | ✓  |      |             |                | 24/2/2009             |         |
| 23 | Side Wall alignment        | ✓  |      |             |                | 20/2/2009             |         |
| 24 | Roof Panel alignment       | ✓  |      |             |                | 21/2/2009             |         |

Other Part Fit-up And alignment ( please state)

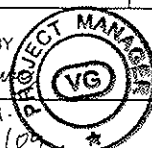


ENTERED BY / CHECKED BY

Name: \_\_\_\_\_  
Date: \_\_\_\_\_

REVIEWED BY

Name: venm.  
Date: 24/7/1



VERIFIED / CONFIRMED

Name: WILLIAM

Date: 26/11/2003

VERIFIED / CONFIRMED BY (if applicable)

Name \_\_\_\_\_  
Date: \_\_\_\_\_



Client: SUBSEA EXPLORE SERVICES (M) SDN BHD  
Project Name: 14FT CONTROL VAN CONTAINER  
Drawing No: VGOCI-CV-14-8-8.5-R0  
Model no.: VGOCI-CV-14-8-8.5

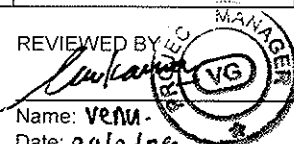
Manufacturer serial no: VG 1057  
Report No. VG / FUI / 001  
Page: 1 of 1

## FIT-UP INSPECTION

Checked By QC:

| NO | CHECK POINT                | OK | FAIL | RE-WORK | RE-INSPECT | DATE OF INSPECTION | Comment |
|----|----------------------------|----|------|---------|------------|--------------------|---------|
| 1  | Bottom Side Rail Fit-Up    | ✓  |      |         |            | 6/2/2009           |         |
| 2  | Bottom End Rail Fit-Up     | ✓  |      |         |            | 6/2/2009           |         |
| 3  | Cross Members Fit-Up       | ✓  |      |         |            | 9/2/2009           |         |
| 4  | Fork Pocket Fit-Up         | ✓  |      |         |            | 6/2/2009           |         |
| 5  | Corner Post Fit-Up         | ✓  |      |         |            | 18/2/2009          |         |
| 6  | Top Side Rail Fit-Up       | ✓  |      |         |            | 18/2/2009          |         |
| 7  | Top End Rail Fit-Up        | ✓  |      |         |            | 18/2/2009          |         |
| 8  | Padeye Fit-up              | ✓  |      |         |            | 16/2/2009          |         |
| 9  | Door Fit-up                | ✓  |      |         |            | 24/2/2009          |         |
| 10 | Side Wall Fit-up           | ✓  |      |         |            | 20/2/2009          |         |
| 11 | Roof panel Fit-up          | ✓  |      |         |            | 21/2/2009          |         |
| 12 | Bottom Side Rail alignment | ✓  |      |         |            | 6/2/2009           |         |
| 13 | Bottom End Rail alignment  | ✓  |      |         |            | 6/2/2009           |         |
| 14 | Cross Members alignment    | ✓  |      |         |            | 9/2/2009           |         |
| 15 | Fork Pocket alignment      | ✓  |      |         |            | 6/2/2009           |         |
| 16 | Corner Post alignment      | ✓  |      |         |            | 18/2/2009          |         |
| 17 | Fork Pocket alignment      | ✓  |      |         |            | 6/2/2009           |         |
| 18 | Top Side Rail alignment    | ✓  |      |         |            | 18/2/2009          |         |
| 19 | Top End Rail alignment     | ✓  |      |         |            | 18/2/2009          |         |
| 20 | Padeye alignment           | ✓  |      |         |            | 16/2/2009          |         |
| 21 | Door alignment             | ✓  |      |         |            | 24/2/2009          |         |
| 22 | Side Wall alignment        | ✓  |      |         |            | 20/2/2009          |         |
| 23 | Roof Panel alignment       | ✓  |      |         |            | 21/2/2009          |         |

Other Part Fit-up And alignment ( please state)



ENTERED BY / CHECKED BY

Name: Chandra  
Date: 24/2/09

REVIEWED BY 4

Name: VENU.  
Date: 24/2/09

VERIFIED / CONFIRMED BY (if applicable)

Name: Richi  
Date: 07/07/2020

# SECTION 7

---

## **DIMENSIONAL CONTROL REPORT**



**VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD**  
**VG METAL TECHNOLOGY (M) SDN BHD**

**DIMENSION REPORT**

**Model No :VGOCI-CV-14-8-8.5**

**Project : 14FT CONTROL VAN CONTAINER**

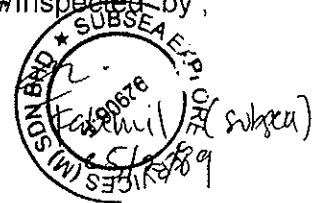
**Ref No: VGOCI/DR/001**

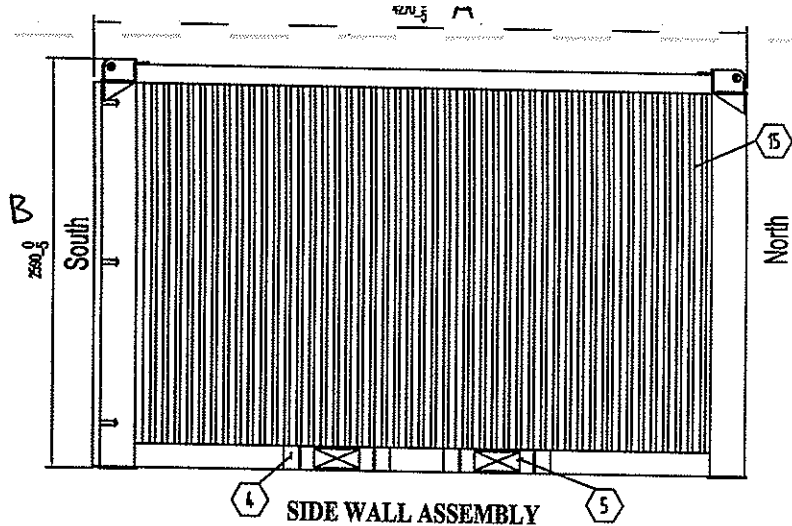
| No. | Mark No./<br>Drawing No. | Symbol | Drawing<br>Dimension<br>(mm) | Actual<br>Dimension<br>(mm) | Differences<br>(mm) | Allowed<br>Tolerance |
|-----|--------------------------|--------|------------------------------|-----------------------------|---------------------|----------------------|
| 1   | VG 1057                  |        |                              |                             |                     |                      |
|     | VGOCI-CV-<br>14-8-8.5    | A      | 4270                         | 4269                        | - 2                 | - 5                  |
|     |                          | B      | 2590                         | 2589                        | - 3                 | - 5                  |
|     |                          | C      | 4839                         | 4837                        | - 2                 | - 5                  |
|     |                          | D      | 4839                         | 4837                        | - 2                 | - 5                  |
|     |                          | E      | 2438                         | 2436                        | - 2                 | - 5                  |
|     |                          | F      | 2590                         | 2589                        | - 1                 | - 5                  |
|     |                          | G      | 2438                         | 2437                        | - 1                 | - 5                  |
|     |                          | H      | 2590                         | 2589                        | - 1                 | - 5                  |
|     |                          |        |                              |                             |                     |                      |
|     |                          |        |                              |                             |                     |                      |
|     |                          |        |                              |                             |                     |                      |
|     |                          |        |                              |                             |                     |                      |
|     |                          |        |                              |                             |                     |                      |
|     |                          |        |                              |                             |                     |                      |

Inspected by  
 Sign  
 Name  
 Date  
 Stamp



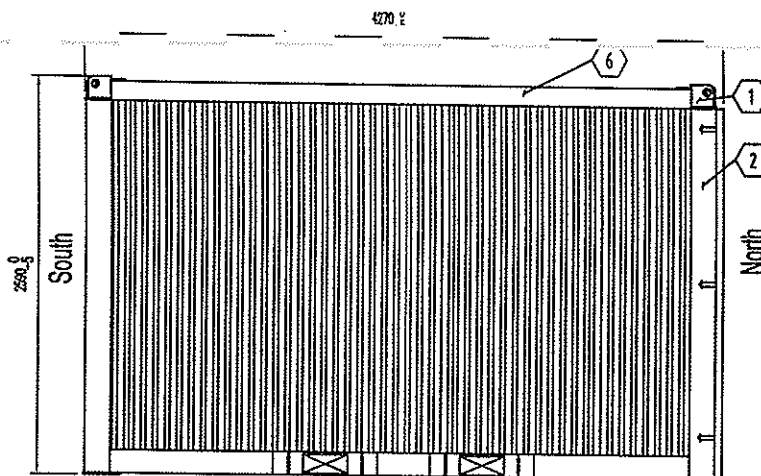
Review/Inspected by ;





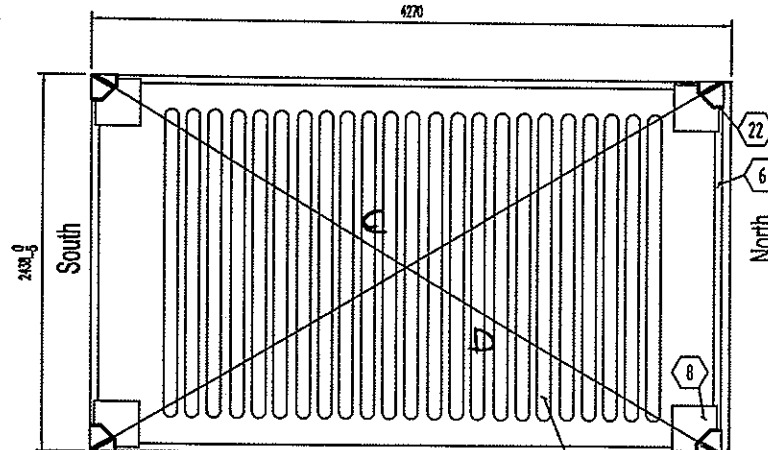
SIDE WALL ASSEMBLY

SCALE 1:35



SIDE WALL ASSEMBLY

SCALE 1:35

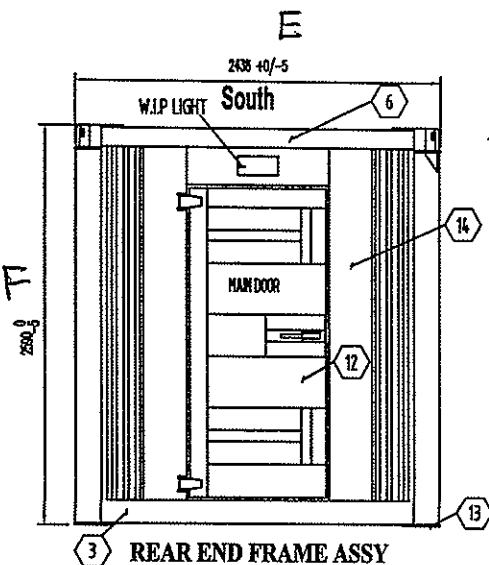


ROOF ASSEMBLY

SCALE 1:35

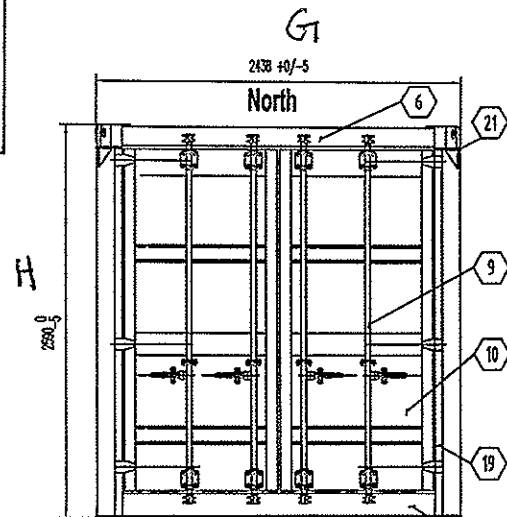
UNCONTROLLED COPY

MASTER COPY



REAR END FRAME ASSY

SCALE 1:35



FRONT END FRAME ASSY

SCALE 1:35

| PARTS LIST |                      |                         |      |     |
|------------|----------------------|-------------------------|------|-----|
| ITEM       | DESCRIPTION          |                         | (MM) | QTY |
| 1.         | PADEYE               | SA 516 GR 70 PLATE      | 25.4 | 4   |
| 2.         | CORNER POST          | JIS G 3101 SS400        | 6    | 4   |
| 3.         | BOTTOM SIDE/END RAIL | I BEAM 43A 15675JR      | 10   | 2   |
| 4.         | FORK POCKET COVER    | JIS G 3101 SS400        | 6    | 8   |
| 5.         | FORK POCKET          | JIS G 3101 SS400        | 6    | 2   |
| 6.         | TOP SIDE/END RAIL    | ASTM A 500 GR B         | 4.5  | 2   |
| 7.         | ROOF PLATE           | JIS G 3131 SPHC         | 2    | 1   |
| 8.         | COVER PLATE          | JIS G 3101 SS400        | 6    | 4   |
| 9.         | DOOR ACCESSORIES     |                         |      | 4   |
| 10.        | DOUBLE DOOR          | JIS G 3131 SPHC         | 2    | 1   |
| 11.        | DOOR HEADER          | JIS G 3101 SS400        | 4.5  | 1   |
| 12.        | SINGLE DOOR          | JIS G 3131 SPHC         | 3    | 1   |
| 13.        | BASE PLATE           | JIS G 3131 SPHC         | 10   | 4   |
| 14.        | DOOR POST            | JIS G 3131 SPHC         | 4.5  | 4   |
| 15.        | SIDEWALL             | JIS G 3131 SPHC         | 2    | 2   |
| 19.        | DOOR HINGE COVER     | JIS G 3131 SPHC         | 4.5  | 2   |
| 21.        | PADEYE BASE PLATE    | ASME SA 516 GR 70 PLATE | 12.7 | 4   |
| 22.        | PADEYE COVER PLATE   | ASME SA 516 GR 70 PLATE | 12.7 | 4   |

CONTAINER CAPACITY

|              |      |    |
|--------------|------|----|
| TARE WEIGHT  | 3000 | KG |
| PAYLOAD      | 4000 | KG |
| GROSS WEIGHT | 8000 | KG |

SHACKLE

|               |                             |
|---------------|-----------------------------|
| TYPE          | CROSBY 6.5 MT OR EQUIVALENT |
| S.W.LOAD      | 6.5 MT                      |
| JAW WIDTH     | 36.5 mm                     |
| PIN DIA       | 25.4 mm                     |
| R/SIDE LENGTH | 84 mm                       |

SLING

|             |                         |
|-------------|-------------------------|
| TYPE & SIZE | WIRE ROPE 26mm DIAMETER |
|-------------|-------------------------|

| REV. | CHANGE DESCRIPTION | DATE |
|------|--------------------|------|
|      |                    |      |

DESIGNED / FABRICATED BY:



VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
KIDPART NO. 66932-11

TITLE: GENERAL ARRANGEMENT

PROJECT / MODEL :  
VG00-CV-14-8-85

DRAWN: VK DATE: 13.01.09  
CHECKED: AR DATE: 23.01.09  
APPROVED: RM DATE: 23.01.09  
SCALE: AS NOTED DWG. NO. VG00-DWG-CV-14-8-85-80

REV: 0 PAGE: 1 OF 7

| REVISION NO | DRAWING NO         | REL | DATE     | DESCRIPTION               | DRAWN | CHECKED | APPROVED |
|-------------|--------------------|-----|----------|---------------------------|-------|---------|----------|
| 1           | VG00-CV-14-8-85-R1 | 2   | 23.01.09 | APPROVED FOR CONSTRUCTION | VK    | AR      | RM       |
| 2           | VG00-CV-14-8-85-R2 | 1   | 23.01.09 | ISSUED FOR APPROVAL       | VK    | AR      | RM       |

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# SECTION 8

---

## NDE REPORTS

|                 |                                          |                                 |
|-----------------|------------------------------------------|---------------------------------|
| Our ref. :57125 | <b>ULTRASONIC EXAMINATION<br/>REPORT</b> | Page No. : 1 of 1               |
|                 |                                          | Report No. : NDT/UT/57125-01/09 |

|                                            |                                                          |
|--------------------------------------------|----------------------------------------------------------|
| Client : Subsea Explore Services Sdn. Bhd. | Ultrasonic Equipment / Serial No. : EPOCH III (02505812) |
| Project : I4FT Control Van Container       | Cable Type/Length : Coaxial Cable / 2 meter              |
| Material : SA516 Gr.70                     | Procedure No. : NT/UT/AWS Rev. 0                         |
| Thickness : 25.4 mm                        | Couplant : Wallpaper paste                               |
| Welding Process : MIG                      | Calibration Block : V1, V2 Blocks                        |
| Weld. Preparation : Single Bevel           | Examination Standard : AWS D1.1                          |
| Surface Condition : Brushed/Cleaned        | Acceptance Standard : Table 6.2                          |
|                                            | Examination Date : 16 <sup>th</sup> February 2009        |

**Probe Parameter :**

| Serial No | Beam Angle | Frequency | Size   | PRE Level | Tr. Loss | Scanning | Range  |
|-----------|------------|-----------|--------|-----------|----------|----------|--------|
| 53126     | 0°         | 5 Mhz     | Ø10 mm | 32 dB     | -        | +6 dB    | 100 mm |
| 41127     | 45°        | 4 Mhz     | 8x9 mm | 48 dB     | +2 dB    | +12 dB   | 100 mm |
| 33739     | 60°        | 4 Mhz     | 8x9 mm | 52 dB     | +2 dB    | +12 dB   | 100 mm |
| 41206     | 70°        | 4 Mhz     | 8x9 mm | 60 dB     | +2 dB    | +12 dB   | 150 mm |

**Sensitivity setting :**

Angle probes : Set Reference Level at 80% FSH from 1.5 mm Ø reflector of VI block 75 mm

Normal probe : Set 1<sup>st</sup> BWE at 100% FSH

| No. | Joint Reference                                                                                                                                  | Interpretation                                                                                                                                                    | Result   | Remark |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|
|     | Ultrasonic testing was carried out on weldment as follow details:<br><br>Item No. : PADEYE<br>Serial No. : VG-1057<br>Joint No. : P1, P2, P3, P4 | No reportable indication was detected during the inspection time<br><br><br> | Accepted |        |

**NDT Inspector :**

Signature :

Name : M. Hisham

Date : 17

**Reviewed By :**

Signature :

Name : M. Asrol

Date : 17

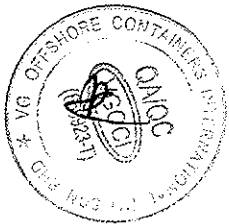
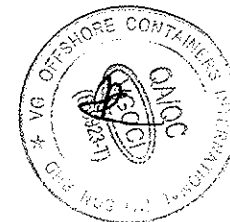
**Approved By :**

Signature :

Name of Client's Rep. :

Date : 22

| NO | WELD LOCATION | WELDER ID | PASS | FAIL | RE WORK | RE INSPECT | ACCEPTED |
|----|---------------|-----------|------|------|---------|------------|----------|
| 1  | J1            | W21       | ✓    |      |         |            |          |
| 2  | J2            | W21       | ✓    |      |         |            |          |
| 3  | J3            | W21       | ✓    |      |         |            |          |
| 4  | J4            | W21       | ✓    |      |         |            |          |



**NUSANTARA TECHNOLOGIES SDN. BHD.**

(187753-D)

No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.

Tel : 03-5122 9766/7/8 Fax : 03-5122 8766/7 E-mail : nusatek@tm.net.my

|                  |                                                 |                                                      |
|------------------|-------------------------------------------------|------------------------------------------------------|
| Our ref. : 57172 | <b>MAGNETIC PARTICLE EXAMINATION<br/>REPORT</b> | Page No. : 1 of 1<br>Report No. : NDT/MT/57172-01/09 |
|------------------|-------------------------------------------------|------------------------------------------------------|

|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Client : Subsea Explore Services (M) Sdn. Bhd. | Procedure No. : NT/MT/AWS Rev. 0                 |
| Project : 14FT CONTROL VAN CONTAINER           | Acceptance Standard : AWS D1.1 (Table 6.1)       |
| Location : VG Offshore Factory                 | Inspection Date : 26 <sup>th</sup> February 2009 |
| Material : SA516 Gr.70                         | Welding Process : MIG                            |
| Surface Preparation : Cleaned                  | Stage of Examination : Completed weld            |

**MAGNETIC PARTICLE INSPECTION :**

☐ Dry ☒ Wet ☐ Fluorescent

Magnetic Particle : Magnaflux-7HF Surface Contrast : Magnaflux-WCP2

Method of removing excess particle : ☒ Normal blow ☐

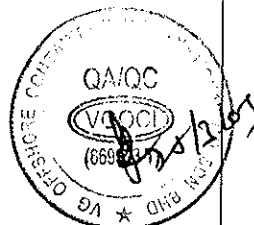
Magnetizing Technique : ☒ Yoke Technique ☐ Prod Technique

Magnetizing Current : ☒ AC electromagnetic ☐ DC electromagnetic ☐ Permanent Magnet

Lighting : ☒ Daylight ☐ Artificial light ☐ Black light

View Illumination : >1300 lux  
  $\mu W/cm^2$

| No. | Joint Reference                                                                                                                                             | Interpretation                                                 | Result   | Remark          |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------|-----------------|
| 1.  | Magnetic particle inspection was carried out on the following item :<br><br>Item No. : PADEYE<br><br>Serial No. : VG-1057<br><br>Joint No. : P1, P2, P3, P4 | No relevant indication was detected during the inspection time | Accepted | After load test |



|                                                                                                          |                                                                                               |                                                                                                                 |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>NDT Operator :</b><br>Signature :<br>Name : <u>VE Helmius ASST Lev II</u><br>Date : <u>10-02-2009</u> | <b>Reviewed By :</b><br>Signature :<br>Name : <u>NDT Division</u><br>Date : <u>10-02-2009</u> | <b>Approved By :</b><br>Signature :<br>Name of Client : <u>Subsea Explore Services</u><br>Date : <u>26/2/09</u> |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|

|                  |                                                 |                                                      |
|------------------|-------------------------------------------------|------------------------------------------------------|
| Our ref. : 57172 | <b>MAGNETIC PARTICLE EXAMINATION<br/>REPORT</b> | Page No. : 1 of 1<br>Report No. : NDT/MT/57172-02/09 |
|------------------|-------------------------------------------------|------------------------------------------------------|

|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Client : Subsea Explore Services (M) Sdn. Bhd. | Procedure No. : NT/MT/AWS Rev. 0                 |
| Project : 14FT CONTROL VAN CONTAINER           | Acceptance Standard : AWS D1.1 (Table 6.1)       |
| Location : VG Offshore Factory                 | Inspection Date : 26 <sup>th</sup> February 2009 |
| Material : SA516 Gr.70                         | Welding Process : MIG                            |
| Surface Preparation : Cleaned                  | Stage of Examination : Completed weld            |

**MAGNETIC PARTICLE INSPECTION :**

☐ Dry ☒ Wet ☐ Fluorescent

Magnetic Particle : Magnaflux-7HF Surface Contrast : Magnaflux-WCP2

Method of removing excess particle : ☒ Normal blow ☐

Magnetizing Technique : ☒ Yoke Technique ☐ Prod Technique

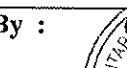
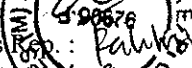
Magnetizing Current : ☒ AC electromagnetic ☐ DC electromagnetic ☐ Permanent Magnet

Lighting : ☒ Daylight ☐ Artificial light ☐ Black light

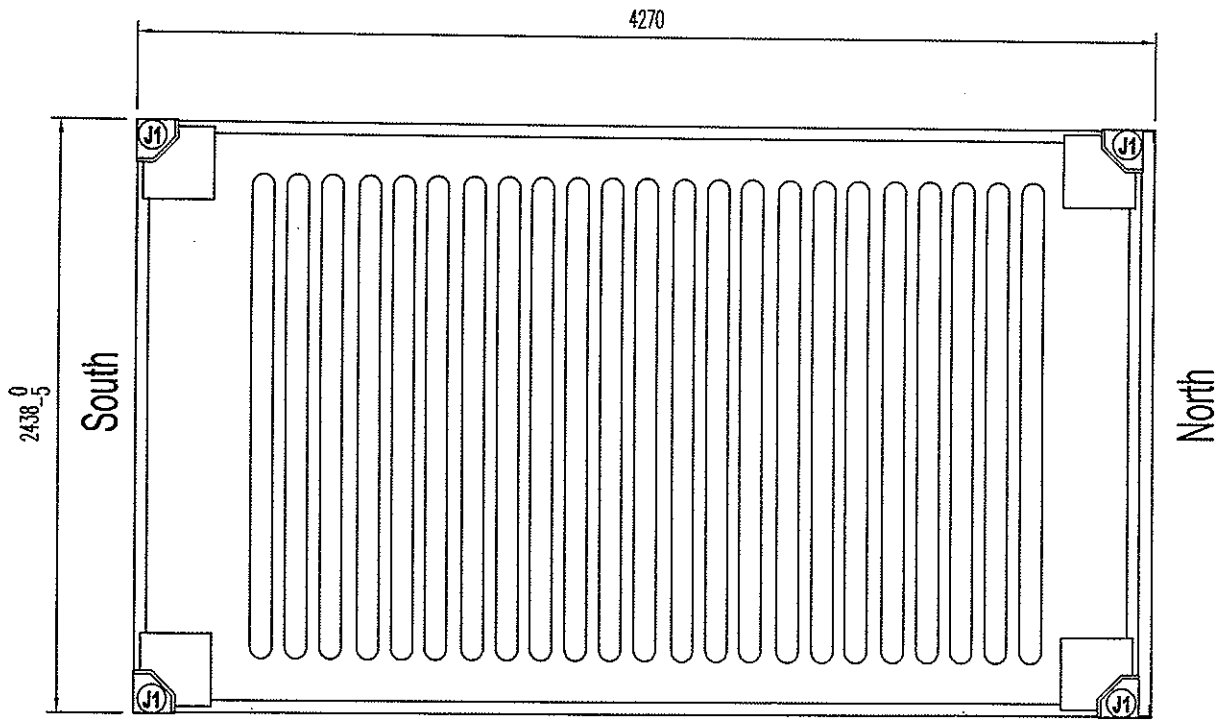
View Illumination : >1300 lux   $\mu W/cm^2$

| No. | Joint Reference                                                                                                                                                    | Interpretation                                                 | Result   | Remark           |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------|------------------|
| I.  | <p>Magnetic particle inspection was carried out on the following item :</p> <p>Item No. : PADEYE</p> <p>Serial No. : VG-1057</p> <p>Joint No. : P1, P2, P3, P4</p> | No relevant indication was detected during the inspection time | Accepted | Before load test |



|                                                                                                                                                                                |                                                                                                                                                                 |                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NDT Operator :</b><br>Signature : <br>Name : M. Helmi - ASNT Lev II<br>Date : 10-03-2009 | <b>Reviewed By :</b><br>Signature : <br>Name : M. Helmi<br>Date : 10-03-2009 | <b>Approved By :</b><br>Signature : <br>Name of Client's Rep. : <br>Date : 25-03-2009 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                   |                                     |                                                                                                         |    |               |           |      |      |         |            |          |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------|----|---------------|-----------|------|------|---------|------------|----------|
| <b>VG</b> VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN. BHD.<br>(CO NO. 688923-T)<br>E-MAIL: enquiry@vgoci.com.my |                                     |                                                                                                         |    |               |           |      |      |         |            |          |
| MODEL NO                                                                                                          | VG 1057                             | WELD MAP NO:WMR-VG-1057-002                                                                             | NO | WELD LOCATION | WELDER ID | PASS | FAIL | RE WORK | RE INSPECT | ACCEPTED |
| CLIENT                                                                                                            | Subsea Explore Services (M) Sdn Bhd | VERIFIED BY:<br><br> | 1  | P1            | W21       | ✓    |      |         |            |          |
| DESCRIPTION                                                                                                       | PADEYE                              |                                                                                                         | 2  | P2            | W21       | ✓    |      |         |            |          |
| ASSEMBLY SECTION                                                                                                  | ROOF ASSEMBLY                       |                                                                                                         | 3  | P3            | W21       | ✓    |      |         |            |          |
| REMARKS                                                                                                           | WELD MAP FOR PADEYE MPI             |                                                                                                         | 4  | P4            | W21       | ✓    |      |         |            |          |



**ROOF ASSEMBLY**  
SCALE 1:30





# NUSANTARA TECHNOLOGIES SDN. BHD.

(187753-D)

No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.

Tel : 03-5122 9766/7/8 Fax : 03-5122 8766/7 E-mail : nusatek@tm.net.my

|                  |                                                 |                                                      |
|------------------|-------------------------------------------------|------------------------------------------------------|
| Our ref. : 57127 | <b>MAGNETIC PARTICLE EXAMINATION<br/>REPORT</b> | Page No. : 1 of 1<br>Report No. : NDT/MT/57127-01/09 |
|------------------|-------------------------------------------------|------------------------------------------------------|

|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Client : Subsea Explore Services (M) Sdn. Bhd. | Procedure No. : NT/MT/AWS Rev. 0                 |
| Project : 14FT CONTROL VAN CONTAINER           | Acceptance Standard : AWS D1.1 (Table 6.1)       |
| Location : VG Offshore Factory                 | Inspection Date : 17 <sup>th</sup> February 2009 |
| Material : JIS G 3101 / SS400                  | Welding Process : MIG                            |
| Surface Preparation : Cleaned                  | Stage of Examination : Completed weld            |

**MAGNETIC PARTICLE INSPECTION :**

☐ Dry ☒ Wet ☐ Fluorescent

Magnetic Particle : Magnaflux-7HF Surface Contrast : Magnaflux-WCP2

Method of removing excess particle : ☒ Normal blow ☐

Magnetizing Technique : ☒ Yoke Technique ☐ Prod. Technique

Magnetizing Current : ☒ AC electromagnetic ☐ DC electromagnetic ☐ Permanent Magnet

Lighting : ☒ Daylight ☐ Artificial light ☐ Black light

View Illumination : >1300 lux                       $\mu W/cm^2$

| No. | Joint Reference                                                                                                                                                            | Interpretation                                                 | Result   | Remark |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------|--------|
| 1.  | Magnetic particle inspection was carried out on the following item :<br><br>Item No. : CROSS MEMBERS<br>Serial No. : VG-1057<br>Joint No. : J1, J2, J3, J4, J5, J6, J7, J8 | No relevant indication was detected during the inspection time | Accepted |        |



|                                                                                |                                                                                 |                                                                                                              |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>NDT Operator :</b><br>Signature :<br>Name : Nasril - NDT Division<br>Date : | <b>Reviewed By :</b><br>Signature :<br>Name : M. Astor - NDT Division<br>Date : | <b>Approved By :</b><br>Signature :<br>Name of Client's Rep. : Subsea Explore Services<br>Date : 17/2/09<br> |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|

VG

VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN. BHD.

(CO NO. 669923-7)

E-MAIL:- enquiry@vgoci.com.my

MODEL NO

VG 1057

WELD MAP NO: WMR-VG-1057-001

CLIENT

Subsea Explore Services (M) Sdn Bhd

VERIFIED BY:

DESCRIPTION

CROSS MEMBERS AND FORK POCKET

ASSEMBLY SECTION

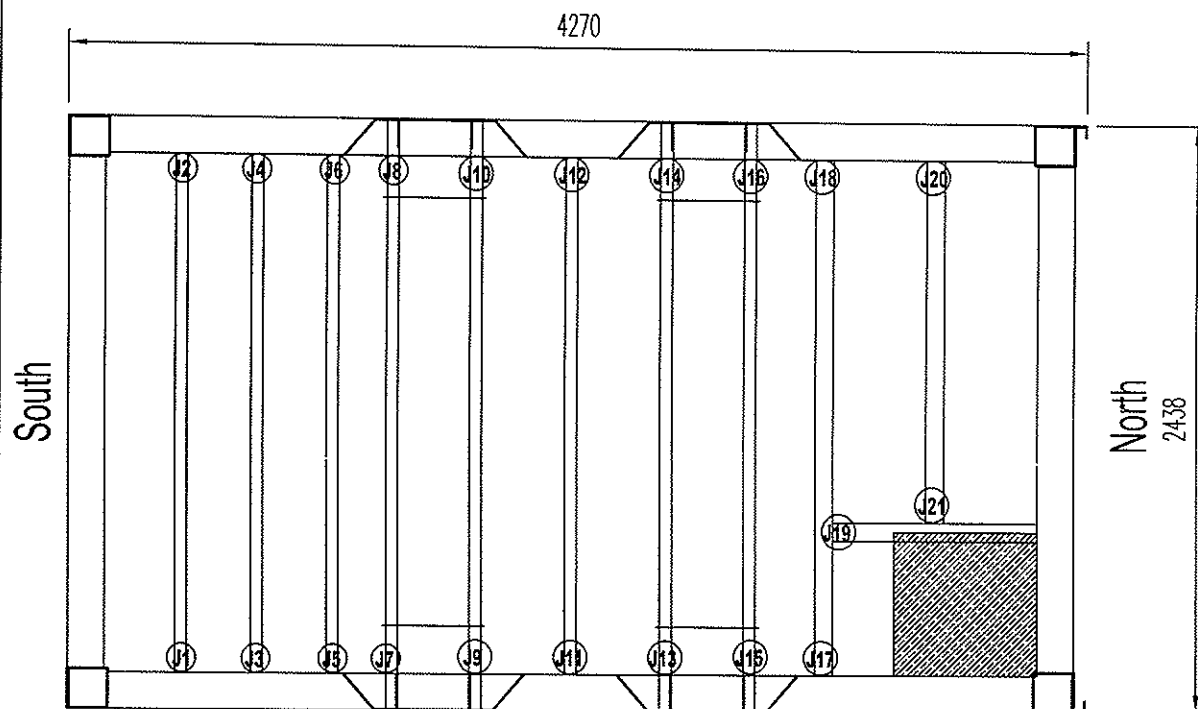
BASE ASSEMBLY

REMARKS

WELD MAP FOR CROSS MEMBERS AND FORK POCKET MPI



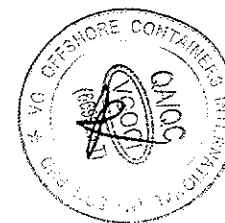
| NO | WELD LOCATION | WELDER ID | PASS | FAIL | RE WORK | RE INSPECT | ACCEPTED |
|----|---------------|-----------|------|------|---------|------------|----------|
| 1  | J1            | W22       |      | ✓    | ✓       | ✓          | ✓        |
| 2  | J2            | W20       | ✓    |      |         |            |          |
| 3  | J3            | W22       |      | ✓    | ✓       | ✓          | ✓        |
| 4  | J4            | W20       | ✓    |      |         |            |          |
| 5  | J5            | W22       | ✓    |      |         |            |          |
| 6  | J6            | W20       | ✓    |      |         |            |          |
| 7  | J7            | W22       | ✓    |      |         |            |          |
| 8  | J8            | W20       | ✓    |      |         |            |          |
| 9  | J9            |           |      |      |         |            |          |
| 10 | J10           |           |      |      |         |            |          |
| 11 | J11           |           |      |      |         |            |          |
| 12 | J12           |           |      |      |         |            |          |
| 13 | J13           |           |      |      |         |            |          |
| 14 | J14           |           |      |      |         |            |          |
| 15 | J15           |           |      |      |         |            |          |
| 16 | J16           |           |      |      |         |            |          |
| 17 | J17           |           |      |      |         |            |          |
| 18 | J18           |           |      |      |         |            |          |
| 19 | J19           |           |      |      |         |            |          |
| 20 | J20           |           |      |      |         |            |          |
| 21 | J21           |           |      |      |         |            |          |



BASE ASSEMBLY

SCALE 1:30

Joint J18 J19 found under cut. Repair the under cut one foot with MPI.



# SECTION 9

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## PRODUCTION / PROTOTYPE TESTING



**VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD**  
**VG METAL TECHNOLOGY (M) SDN BHD**

Ref. No. : VG/LT/1057/09

**PRODUCT TEST REPORT**

Model No. : VGOCI-CV-14-8-8.5  
 Project : 14FT CONTROL VAN CONTAINER  
 Manufacturer Serial No. : VG 1057  
 Test Date : 26<sup>TH</sup> FEBRUARY 2009  
 Total No. of Production : 1unit  
 No(s) of Unit Tested : 1 unit  
 Prototype Testing : ☐  
 Production Testing : ☒  
 Load Test : 2.5R ☐ 2.0R ☒

**Weight Details:**

Tare Mass (T) : 3100 kg  
 Payload (P) : 4900 kg  
 SWL (R) : 8000 kg

This is to certify that the following container manufacturer number mentioned above had been selected randomly and tested according to the type of test(s) listed below:

**Type of Test(s):**

|                                  |            | Pass (✓) | Fail (X) |
|----------------------------------|------------|----------|----------|
| Load Test Weight (4 points lift) | : 16000 Kg | ✓        |          |
| Load Test Weight (2 points lift) | : N/A      |          |          |
| Drop Test Weight (4 point lift)  | : N/A      |          |          |
| Other test (Please Specify)      | : N/A      |          |          |

Product ready for production / next process ☒Modification Required ☐

| Sign-off                    | Name          | Signature Stamp | Date     | Comments |
|-----------------------------|---------------|-----------------|----------|----------|
| Project Management          | Venutanna     |                 | 26/2/09  |          |
| Production                  | S. Muthusamy  |                 | 26/2/09  |          |
| QA/QC                       | Chandra       |                 | 26/2/09  |          |
| Client (if applicable)      | SYAMSUL FARID |                 | 26/2/09  |          |
| Third party (if applicable) | AHMAD THARIK  |                 | 26/02/09 |          |

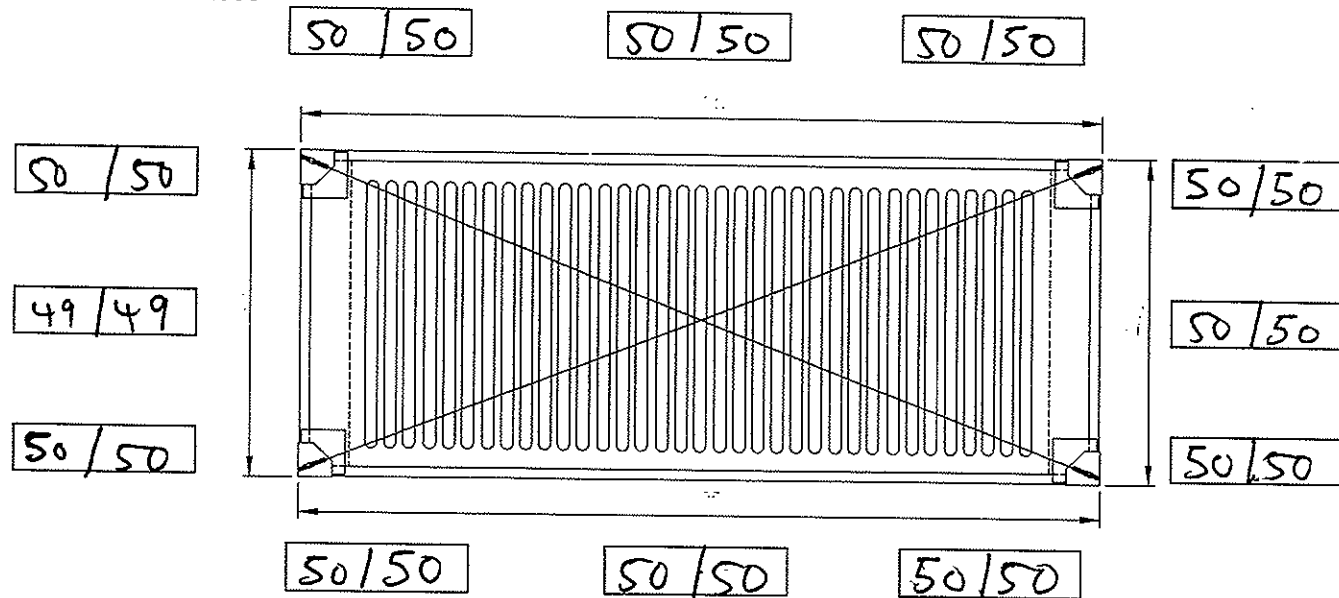


## VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD

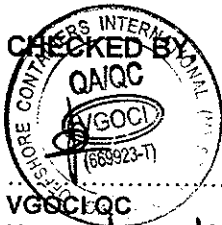
### DEFLECTION TEST REPORT

Ref. No. : VG/DTR/1057/09

Model No. : VGOCI-14-8-8.5  
Project : 14FT CONTROL VAN CONTAINER  
Manufacturer Serial No. : VG 1057  
Test Date : 26-2-2009



PLAN VIEW



VGOC LQC  
Name: *Chandran*  
Date: *26/2/09*

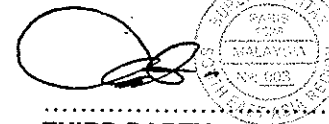
WITNESSED / REVIEWED BY,

CLIENT

Name: *DYANBUL FARHAN*  
Date: *26/2/09*



WITNESSED / REVIEWED BY,



THIRD PARTY

Name: *AMMAO THAGARI A&O. RAHM*  
Date: *26/02/09*

# SECTION 10

---

## **WIRE ROPE SLINGS PROOF LOAD CERTIFICATE AND MATERIAL CERTIFICATES**

# GFC TESTING CENTRE SDN. BHD.

Company No. 334310-X  
No.2, Jalan Sungai Beting 2, Off Jalan Sungai Putus,  
42100 Klang, Selangor Darul Ehsan, Malaysia.  
Tel: (03) 3290 1188 (Hunting Line) Fax: (03) 3290 2929

Certificate No.

GVX09-09

Customer Order No.

00002201

## CERTIFICATE OF TEST AND EXAMINATION OF LIFTING APPLIANCES AND LIFTING GEAR

Testing apparatus utilises load cells **CALIBRATED** in accordance with international guidelines and **SPECIFICATIONS** reviewed and certified by approved third parties.

### (1) Particulars

| Distinguishing Mark or No.<br>(i) | Description of item. This should include size, material and particulars of any heat treatment<br>(ii)                                                                                                                                                                                                                    | Number tested and examined<br>(iii) | Dates of test and examination<br>(iv) | Proof Load Applied<br>(Specify units)<br>(v) | Safe Working Load<br>(Specify units)<br>(vi) |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|----------------------------------------------|----------------------------------------------|
| GVX09-09                          | 4-LEGGED WIRE ROPE SLING COMP OF :-<br>A) MASTERLINK ASSEMBLY MT-9-10.-1PC<br>B) 18MM DIA GALV'D STEEL WIRE ROPE SLING.<br>14FT MEASURED FROM OUTER EYE TO OUTER EYE. BOTH ENDS MECHANICAL SPLICED WITH THIMBLES.-4LGTHS<br>C) 6.5 TON BOW BOLT & NUT SHACKLES.-4PCS<br>BRAND : GREEN PIN (HOLLAND)<br>D) METAL TAG.-1PC | 1 SET                               | 6/4/09                                | 16 TON                                       | 8 TON<br><br>ANGLE:-<br>60 DEGREE            |

### (2) Name & Address of maker, supplier or repairer

GOFORTH CORPORATION SDN BHD  
NO.2, JLN SG. BETING 2, OFF JLN SG. PUTUS  
42100 KLANG, SELANGOR DARUL EHSAN

### (3) Name of firm, company, association or person undertaking the test and examination,

GFC Testing Centre Sdn. Bhd.

(5) I certify on behalf of the firm, company, association or person named in (3) & (4) before, that the items or appliances described herein were tested and thereafter thoroughly examined by a competent person; found to have withstood the proof load without deformation; found to be free from cracks, flaws or other defects; and that the above particulars are correct.

Signature:

### (4) Name of person who carried out test and examination

Position: ADRIAN NG (TESTER)

Date: 6/4/09

### (6) Name & Address of owner

SUBSEA EXPLORE SERVICES (M) SDN BHD  
NO.57, JLN U1/35, HICOM GLENMARIES  
INDUSTRIAL PARK, SEKSYEN U1  
40150 SHAH ALAM, SELANGOR DARUL EHSAN

SEE NOTES OVERLEAF

The above equipment has been tested and examined and is for normal use by a person who has been instructed, trained and where necessary is supervised in its proper use.

1. Save as expressly stated in writing, GFC Testing Centre Sdn. Bhd. its servants or agents does not let or supply the vessels, equipment or goods ('The Equipment') with any representation concerning the condition performance or qualities of the Equipment or with or subject to any condition or warranty express or to be implied by statute description at common law or otherwise and all such representations conditions warranties whether relating to the capacity age quality description condition or use of the Equipment or the merchantability or suitability or fitness of the Equipment for a particular or any purpose are excluded.

2. GFC Testing Centre Sdn. Bhd. shall not be liable in contract or in tort for loss injury or damage arising by reason of any defects in the Equipment whether such defect be latent or apparent on examination (other than liability for death or personal injury arising from the negligence of GFC Testing Centre Sdn. Bhd.

P.O. Box 57, 3360 AB Sliedrecht  
Industrieweg 6, 3361 HJ Sliedrecht  
The Netherlands  
Tel. +31 184 41 33 00  
Fax. +31 184 41 49 59  
email: sales@vanbeest.nl  
www.vanbeest.nl

# VAN BEEST



## MANUFACTURER TEST CERTIFICATE

Number 80012774  
Customer no. 30453

Date 06.02.2009  
Page 6 / 13

|               |               |
|---------------|---------------|
| Our order no. | Your ref. no. |
| 18010         | PO-01857      |

| Traceability Bow | Traceability Pin | Description                                                                                                                                    | Qty.  | Date of test and examination | Min. proofload (T) | Working load limit (T) |
|------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------|--------------------|------------------------|
| HBS 6 CE         | BS6 Y            | GPGHMB22<br>G-4163, Green Pin® Standard Shackles, bow shackles with safety bolt, to EN13889, hot dipped galvanized, 22 mm x 25 mm, WLL 6.5 ton | 1,950 | 13.01.2009                   | 13                 | 6.5                    |

**CERTIFIED TRUE COPY**  
P/O NO. : 00002201  
D/O NO. : 54717  
DATE : 4/4/09

**EC Declaration of conformity in accordance with the machinery directive 98/37/EC**  
(according to Annex IIA of the machinery directive)

We declare under our sole responsibility that the above mentioned product(s), with CE marking, comply with the machinery directive 98/37/EG.

This certificate is only valid for Van Beest BV products, used for fittings for lifting equipment, marked as such.

I certify that the items described herein were tested and thereafter examined and were found to be free from cracks, flaws or other defects.

J.J. Vermeulen (QA-Manager)



VAN BEEST B.V., manufacturer and supplier of wire rope and chain fittings.

Registered trade marks "Green Pin" and "Excel". Member of Van Beest International.

Rebobank account nr. 35 93 43 155, IBAN code: NL86RAB00359343155, SWIFT/BIC code: RABONL2U

VAT number NL 0091.33.835.B01, Chamber of Commerce Dordrecht - nr. 23009317. All our offers and contracts are subject to our General Conditions of Sale as registered with the District Court of Dordrecht on November 15, 2007 under number AL 31/2007.

P.O. Box 57, 3360 AB Sliedrecht  
Industrieweg 6, 3361 HJ Sliedrecht  
The Netherlands  
Tel. +31 184 41 33 00  
Fax. +31 184 41 49 59  
email: sales@vanbeest.nl  
www.vanbeest.nl

# VAN BEEST



## CERTIFICATE OF BASIC MATERIAL TO EN 10204 - TYPE 3.1

Number 80012774  
Customer no. 30453

Date 06.02.2009  
Page 6 / 13

|               |               |
|---------------|---------------|
| Our order no. | Your ref. no. |
| 18010         | PO-01857      |

| Oty.  | Description                                                                                                                                    |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,950 | GPGHMB22<br>G-4163, Green Pin® Standard Shackles, bow shackles with safety bolt, to EN13889, hot dipped galvanized, 22 mm x 25 mm, WLL 6.5 ton |

### Material properties

| Line | Charge nr  | Yieldpoint (N/mm2) | Tensile Strength (N/mm2) | Elongation (%) | Impact test type: Charpy V (Joules) |     |     |     |     | Item | Traceability |
|------|------------|--------------------|--------------------------|----------------|-------------------------------------|-----|-----|-----|-----|------|--------------|
|      |            |                    |                          |                | temp (°C)                           | 1   | 2   | 3   | Avg |      |              |
| 1    | 20808-0527 | 850                | 930                      | 22             | -20                                 | 142 | 134 | 145 | 140 | Bow  | HBS 6 CE     |
| 2    | 6608010323 | 980                | 1060                     | 15.5           | -20                                 | 80  | 72  | 90  | 81  | Pin  | BS6 Y        |

### Chemical composition

| Line | C %   | Si %  | Mn %  | P %   | S %   | Cr %  | Mo %  | Ni %  | V % | Cu %  |  |  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|--|--|
| 1    | 0.370 | 0.230 | 0.600 | 0.013 | 0.012 | 0.920 | 0.170 | 0.020 |     | 0.080 |  |  |
| 2    | 0.33  | 0.22  | 0.47  | 0.008 | 0.005 | 0.87  | 0.19  |       |     |       |  |  |

### CERTIFIED TRUE COPY

P/O NO. : 00002201

D/O NO. : 94717

DATE : 4/8/09

J.J. Vermeulen (QA-Manager)



VAN BEEST B.V., manufacturer and supplier of wire rope and chain fittings.

Registered trade marks "Green Pin" and "Excel". Member of Van Beest International.

Rabobank account nr. 35 93 43 155, IBAN code: NL86RABO0359343155, SWIFT/BIC code: RABONL2U

VAT number NL 0091.33.835.B01, Chamber of Commerce Dordrecht - nr. 23009317. All our offers and contracts are subject to our General Conditions of Sale as registered with the District Court of Dordrecht on November 15, 2007 under number AL 31/2007.



VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
VG METAL TECHNOLOGY (M) SDN BHD

APPENDIX 1

DOC NO: VG-SOP-13-01

Revision 0 Date: 01/08/2008

VG/DI/

DESIGN / DEVELOPMENT INPUTS REQUIREMENT FOR NEW PROJECT

GENERAL INFORMATION

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Client :                              | Subsea Explore Services (M) Sdn Bhd |
| Project Name:                         | 14FT Control Van Container          |
| Manufacturer ID:                      | VG 1057                             |
| Date Received Requirement             | 28-Jan-09                           |
| Estimated lead time:                  | 18-Mar-09                           |
| Quantity Product / Jigs / Fixtures    | 1                                   |
| Model No.:                            | VGOCI-CV-14-8-8.5                   |
| Client Name to appear on the reports: | Subsea Explore Services (M) Sdn Bhd |

TECHNICAL INFORMATION

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Size (dimension)                     | 4270 (L) X 2438 (W) X 2590 (H) mm |
| Approved Drawing & Drawing No        | VGOCI-DWG-CV-14-8-8.5-R0          |
| Industries ref. Standard requirement | N/A                               |
| Required Safe Working Load           | 8 TON                             |
| Estimated Tare Weight                | 3.1 TON                           |
| Estimated PayLoad                    | 4.9 TON                           |

RAW MATERIAL SPECIFICATIONS

|                                            |                                |
|--------------------------------------------|--------------------------------|
| Padeye Material Specifications             | SA 516 GR 70 25.4 mm           |
| Primary Structure Material Specifications  | Mild Steel                     |
| Other Structure Material Specifications    | SA 516 GR 70 25.4 mm           |
| Material Testing & Performance requirement | Performed For Previous Project |

LIFTING SET REQUIREMENTS

|                        |                         |
|------------------------|-------------------------|
| Shackles Size and type | 6.5 TON CROSBY SHACKLES |
| Wire Rope requirement  | 20 MM THICKNESS         |

WELDING AND NDE

|                                |                            |
|--------------------------------|----------------------------|
| Welding specification / Method | AWS D1.1 / BS EN 288-2     |
| NDE specification              | AWS D1.1                   |
| NDE required                   | RT X % UT / 100% MPI / 20% |
| Remarks:                       |                            |

PAINTING & BLASTING INFORMATION

|                                          |                           |            |                                          |                             |            |
|------------------------------------------|---------------------------|------------|------------------------------------------|-----------------------------|------------|
| Paint Manufacturer                       |                           |            | JOTUN                                    |                             |            |
| Internal Paint Type / Thickness required |                           |            | External Paint Type / Thickness required |                             |            |
| 1st coat                                 | JOTUN BARRIER ZEP         | 75 micron  | 1st coat                                 | JOTUN BARRIER ZEP           | 75 micron  |
| 2nd coat                                 | JOTUN DURAMASTIC STD GREY | 150 micron | 2nd coat                                 | JOTUN DURAMASTIC STD GREY   | 150 micron |
| 3rd coat                                 |                           | micron     | 3rd coat                                 | HARDTOP XP RAL 3000 RED 926 | 50 micron  |
| 4th coat                                 |                           | micron     | 4th coat                                 |                             | micron     |
| Blast Profile and Abrasive               |                           |            | SA 2.5                                   |                             |            |
| Marking / Decal                          |                           |            | YES                                      |                             |            |
| Remarks:                                 |                           |            |                                          |                             |            |

PRODUCTION OR PROTOTYPE TESTING

|                      |     |       |     |
|----------------------|-----|-------|-----|
| All point Lifting    | YES | 16.00 | Ton |
| 2 Point Lifting      |     |       | Ton |
| Vertical Impact test |     |       | Ton |
| Other tests          |     |       | Ton |

REMARKS

- Internal fittings includes of: cabinets, tables, PU wall paneling, Installation of portable crane and HPU system, electrical work

\* We clearly understand the above requirement and will ensure that all this requirements are fulfilled when produce the above mention product.

|                 |              |                 |                            |                            |                        |
|-----------------|--------------|-----------------|----------------------------|----------------------------|------------------------|
|                 |              |                 |                            |                            |                        |
| Project Manager | QA/QC        | Sales/Marketing | Plant / Production Manager | Supervisor (If applicable) | Client (If applicable) |
| Date 28/1/09    | Date 28/1/09 | Date 28/1/09    | Date 28/1/09               | Date                       | Date                   |

# SECTION 11

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## PAINTING REPORTS



VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
VG METAL TECHNOLOGY (M) SDN BHD

APPENDIX 1

DOC NO: VG-SOP-14b-09

Revision 0 Date: 21/11/2008

SURFACE PREPARATION & COATING APPLICATION REPORT

Client: SUBSEA EXPLORE SERVICES (M) SDN BHD Report No: VG/PR/001/09  
Model No.: VGOCI-CV-14.8-8.5 Report Date: 30/3/2009  
Serial No.: VG 1057 Coating Applicator: VGOCI  
Project Name: 14FT CONTROL VAN CONTAINER Inhouse Paint Inspector: CHANDRAN  
Supply to: SUBSEA EXPLORE SERVICES (M) SDN BHD Painter: ROHEM/ IBRAHIM  
Application Area: EXTERNAL

CLIMATIC CONDITION

|                        |          |                     |              |             |                       |             |                          |            |      |            |
|------------------------|----------|---------------------|--------------|-------------|-----------------------|-------------|--------------------------|------------|------|------------|
| No. of Coats           | Blasting |                     |              | First Coat  |                       | Second Coat |                          | Third Coat |      | Forth Coat |
| Time (Hour)            | 10.30am  |                     |              | 2.00pm      |                       | 12.00pm     |                          | 1.30pm     |      |            |
| Weather Condition      | SUNNY    |                     |              | SUNNY       |                       | SUNNY       |                          | sunny      |      |            |
| Dry/ Wet/ Dew Point °C | 32/28/27 |                     |              | 34/30/29    |                       | 34/30/29    |                          | 34/32/29   |      |            |
| Relative Humidity %    | 74%      |                     |              | 75%         |                       | 75%         |                          | 75%        |      |            |
| Steel temperature °C   | 34°C     |                     |              | 35°C        |                       | 35°C        |                          | 35°C       |      |            |
| Date of Application    | Location | Surface Preparation | No. of Coats | Paint Type  | Type of Paint Generic | Colour      | Film Thickness (microns) |            |      |            |
|                        |          |                     |              |             |                       |             | WFT                      | DFT        | TDFT |            |
| 20-3-2009              | At Shop  | SA2.5               | 1            | Barrier Zep | Zinc Epoxy            | Grey        | 138-150                  | 75-100     | 75   |            |
| 23-3-2009              |          |                     | 1            | Duramastic  | High Build Primer     | Grey        | 192-200                  | 150-180    | 150  |            |
| 28-3-2009              |          |                     | 1            | Hardtop XP  | Polyurethane          |             | 80-90                    | 50-80      | 50   |            |
|                        |          |                     |              |             |                       |             |                          |            |      |            |

PAINT TYPE & BATCH NUMBER

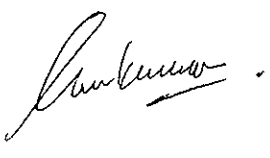
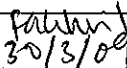
| Item No. | Product Name | Paint / Thinner Manufacturer | Batch No. (Part A) | Batch No. (Part B) | Manufacturing Date |
|----------|--------------|------------------------------|--------------------|--------------------|--------------------|
| 1        | Barrier Zep  | JOTUN                        | KF336237A-029      | KF334656A-019      |                    |
| 2        | Duramastic   | JOTUN                        | KF336155A-029      | KF338088A-039      |                    |
| 3        | Hardtop XP   | JOTUN                        | KF318162A-058      | KF331843A-118      |                    |

INSPECTION

| Coat        | Date      | Average Dry Film Thickness - DFT (microns µ) |     |     |     |     | Average | # of readings taken |
|-------------|-----------|----------------------------------------------|-----|-----|-----|-----|---------|---------------------|
|             |           | 1st                                          | 2nd | 3rd | 4th | 5th |         |                     |
| First Coat  | 21-3-2009 | 80                                           | 89  | 90  | 85  | 90  | 87      | 5                   |
| Second Coat | 24-3-2009 | 175                                          | 169 | 180 | 159 | 168 | 170     | 5                   |
| Third Coat  | 29-3-2009 | 60                                           | 75  | 80  | 70  | 58  | 67      | 5                   |
| Fourth Coat |           |                                              |     |     |     |     |         |                     |
| Average     |           |                                              |     |     |     |     | 324     |                     |

SURFACE PREPARATION

| Blasting Standard | Type of Abrasive | Surface Profile |
|-------------------|------------------|-----------------|
| SA 2.5            | GARNET           | 50-75           |

| Checked by VGOCI QA/QC Inspector                                                    | Verified by VGOCI                                                                   | Verified by 3rd Party Paint Inspector | Verified by Client                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------|
|  |  |                                       |                         |
| Name: CHANDRAN<br>Date: 30/3/2009                                                   | Name: venu<br>Date: 30/3/2009                                                       | Name:<br>Date:                        | Name: <br>Date: 30/3/09 |



VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
VG METAL TECHNOLOGY (M) SDN BHD

APPENDIX 1

DOC NO. VG-SOP-14b-09

Revision 0 Date: 21/11/2008

SURFACE PREPARATION & COATING APPLICATION REPORT

Client: SUBSEA EXPLORE SERVICES (M) SDN BHD  
Model No.: VGOCI-CV-14.8-8.5  
Serial No.: VG 1057  
Project Name: 14FT CONTROL VAN CONTAINER  
Supply to: SUBSEA EXPLORE SERVICES (M) SDN BHD

Report No: VG/PR/002/09  
Report Date.: 24/3/2009  
Coating Applicator: VGOCI  
Inhouse Paint Inspector: CHANDRAN  
Painter: ROHEM/ IBRAHIM  
Application Area: INTERNAL

CLIMATIC CONDITION

| Painting Control       |           |                     |              |             |                       |             |                          |            |            |
|------------------------|-----------|---------------------|--------------|-------------|-----------------------|-------------|--------------------------|------------|------------|
| No. of Coats           | Blasting  |                     |              | First Coat  |                       | Second Coat |                          | Third Coat | Forth Coat |
| Time (Hour)            | 10.30am   |                     |              | 2.30pm      |                       | 12.00pm     |                          |            |            |
| Weather Condition      | SUNNY     |                     |              | SUNNY       |                       | SUNNY       |                          |            |            |
| Dry/ Wet/ Dew Point °C | 32/28//27 |                     |              | 34/30/29    |                       | 34/30//29   |                          |            |            |
| Relative Humidity %    | 74%       |                     |              | 75%         |                       | 75%         |                          |            |            |
| Steel temperature °C   | 32°C      |                     |              | 35°C        |                       | 35°C        |                          |            |            |
| Date of Application    | Location  | Surface Preparation | No. of Coats | Paint Type  | Type of Paint Generic | Colour      | Film Thickness (microns) |            |            |
|                        |           |                     |              |             |                       |             | WFT                      | DFT        | TDFT       |
| 21-3-2009              | At Shop   | Sand Blast          | 1            | Barrier Zep | Zinc Epoxy            | Grey        | 138-150                  | 75-100     | 75         |
| 23-3-2009              |           |                     | 1            | Duramastic  | High Build Primer     | Grey        | 100-110                  | 75-100     | 75         |
|                        |           |                     |              |             |                       |             |                          |            |            |
|                        |           |                     |              |             |                       |             |                          |            |            |

PAINT TYPE & BATCH NUMBER

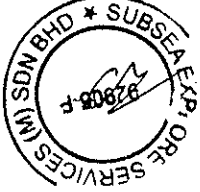
| Item No. | Product Name | Paint / Thinner Manufacturer | Batch No. (Part A) | Batch No. (Part B) | Manufacturing Date |
|----------|--------------|------------------------------|--------------------|--------------------|--------------------|
| 1        | Barrier Zep  | JOTUN                        | KF336237A-029      | KF334656A-019      |                    |
| 2        | Duramastic   | JOTUN                        | KF336155A-029      | KF338088A-039      |                    |
|          |              |                              |                    |                    |                    |
|          |              |                              |                    |                    |                    |

INSPECTION

| Coat        | Date      | Average Dry Film Thickness - DFT (microns μ) |     |     |     |     | Average | # of readings taken |
|-------------|-----------|----------------------------------------------|-----|-----|-----|-----|---------|---------------------|
|             |           | 1st                                          | 2nd | 3rd | 4th | 5th |         |                     |
| First Coat  | 21-3-2009 | 88                                           | 90  | 80  | 79  | 90  | 85      | 5                   |
| Second Coat | 24-3-2009 | 90                                           | 88  | 84  | 85  | 80  | 86      | 5                   |
| Third Coat  |           |                                              |     |     |     |     |         |                     |
| Fourth Coat |           |                                              |     |     |     |     |         |                     |
| Average     |           |                                              |     |     |     |     | 171     |                     |

SURFACE PREPARATION

| Blasting Standard | Type of Abrasive | Surface Profile |
|-------------------|------------------|-----------------|
| SA 2.5            | GARNET           | 50-70           |

| Checked by VGOCI QA/QC Inspector                                                   | Verified by VGOCI                                                                   | Verified by 3rd Party Paint Inspector | Verified by Client                                                                    |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|
|  |  |                                       |  |
| Name: CHANDRAN<br>Date: 24/3/2009                                                  | Name: Venu.<br>Date: 24/3/09                                                        | Name:<br>Date:                        | Name: Patnivil<br>Date: 24/3/09                                                       |

# SECTION 12

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## OFFSHORE CONTAINER DATA PLATE



SUBSEA EXPLORE SERVICES (M) SDN BHD

No.57, Jalan U1/35, Hicom Glenmarie Industrial Park,  
Seksyen U1, 40150 Shah Alam, Selangor, Malaysia

SERIAL NO.:

FAL- CV2009-006

DIMENSION (MM) :

4270 (L) X 2438 (W) X 2590 (H)

MAXIMUM GROSS MASS:

8000 KG

TARE MASS:

3100 KG

MAXIMUM PAY LOAD:

4900 KG

YEAR OF MANUFACTURE:

JANUARY 2009

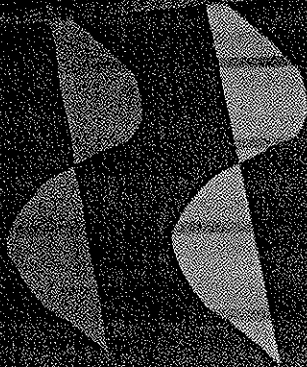
COUNTRY OF ORIGIN:

MALAYSIA

# SECTION 13

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## MARKING



SUBSEA

FAI-072009-006

# SECTION 14

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## **OTHERS (IF APPLICABLE)**



**VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD**

## **Inspection Release Certificate**

CERTIFICATE NO.: **VG/IRC/001**

DRAWING NO. : **VGOCI-DWG-CV-14-8-8.5-R0**

MODEL NO. : **VGOCI-CV-14-8-8.5**

MANUFACTURER S/NO: **VG 1057**

QUANTITY: **1 UNIT**

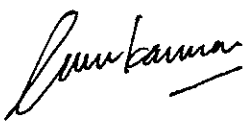
THIS IS TO CERTIFY

PROJECT NAME: **14FT CONTROL VAN CONTAINER**

CLIENT: **SUBSEA EXPLORER SERVICES (M) SDN BHD**

P.O/CONTRACT NO.: **00272**

THAT HAS BEEN FABRICATED AT THE MANUFACTURER'S WORKSHOP  
HAVE BEEN FOUND TO BE IN CONFORMANCE WITH THE  
REQUIREMENTS, SPECIFICATIONS, DRAWINGS AND ALL WORKS  
ACCORDING TO GENERAL TERMS AND CONDITIONS ARE  
COMPLETED.

|                                                                                                     |                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approved by,<br> | Approved by,<br><br> |
| Name: Ravichandran<br>Date: 22/04/2009<br>Department: QA / QC Dept                                  | Name: Venukanna<br>Date: 22/04/2009<br>Department: Project Management Dept                                                                                                                    |



VG OFFSHORE CONTAINERS INTERNATIONAL (M) SDN BHD  
VG METAL TECHNOLOGY (M) SDN BHD

APPENDIX 1

DOC NO: VG-SOP-13-01

Revision 0 Date: 01/08/2008

VG/DI

DESIGN / DEVELOPMENT INPUTS REQUIREMENT FOR NEW PROJECT

GENERAL INFORMATION

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Client :                              | Subsea Explore Services (M) Sdn Bhd |
| Project Name:                         | 14FT Control Van Container          |
| Manufacturer ID:                      | VG 1057                             |
| Date Received Requirement             | 28-Jan-09                           |
| Estimated lead time:                  | 18-Mar-09                           |
| Quantity Product / Jigs / Fixtures    | 1                                   |
| Model No.:                            | VGOCI-CV-14-8-8.5                   |
| Client Name to appear on the reports: | Subsea Explore Services (M) Sdn Bhd |

TECHNICAL INFORMATION

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Size (dimension)                     | 4270 (L) X 2438 (W) X 2590 (H) mm |
| Approved Drawing & Drawing No        | VGOCI-DWG-CV-14-8-8.5-R0          |
| Industries ref. Standard requirement | N/A                               |
| Required Safe Working Load           | 8 TON                             |
| Estimated Tare Weight                | 3.1 TON                           |
| Estimated PayLoad                    | 4.9 TON                           |

RAW MATERIAL SPECIFICATIONS

|                                            |                                |
|--------------------------------------------|--------------------------------|
| Padeye Material Specifications             | SA 516 GR 70 25.4 mm           |
| Primary Structure Material Specifications  | Mild Steel                     |
| Other Structure Material Specifications    | SA 516 GR 70 25.4 mm           |
| Material Testing & Performance requirement | Performed For Previous Project |

LIFTING SET REQUIREMENTS

|                        |                         |
|------------------------|-------------------------|
| Shackles Size and type | 6.5 TON CROSBY SHACKLES |
| Wire Rope requirement  | 20 MM THICKNESS         |

WELDING AND NDE

|                                |                        |   |  |   |    |   |      |     |   |     |
|--------------------------------|------------------------|---|--|---|----|---|------|-----|---|-----|
| Welding specification / Method | AWS D1.1 / BS EN 288-2 |   |  |   |    |   |      |     |   |     |
| NDE specification              | AWS D1.1               |   |  |   |    |   |      |     |   |     |
| NDE required                   | RT                     | X |  | % | UT | / | 100% | MPI | / | 20% |
| Remarks:                       |                        |   |  |   |    |   |      |     |   |     |

PAINTING & BLASTING INFORMATION

|                                          |                           |            |                                          |                             |            |
|------------------------------------------|---------------------------|------------|------------------------------------------|-----------------------------|------------|
| Paint Manufacturer                       | JOTUN                     |            |                                          |                             |            |
| Internal Paint Type / Thickness required |                           |            | External Paint Type / Thickness required |                             |            |
| 1st coat                                 | JOTUN BARRIER ZEP         | 75 micron  | 1st coat                                 | JOTUN BARRIER ZEP           | 75 micron  |
| 2nd coat                                 | JOTUN DURAMASTIC STD GREY | 150 micron | 2nd coat                                 | JOTUN DURAMASTIC STD GREY   | 150 micron |
| 3rd coat                                 |                           | micron     | 3rd coat                                 | HARDTOP XP RAL 3000 RED 926 | 50 micron  |
| 4th coat                                 |                           | micron     | 4th coat                                 |                             | micron     |
| Blast Profile and Abrasive               | SA 2.5                    |            |                                          |                             |            |
| Marking / Decal                          | YES                       |            |                                          |                             |            |
| Remarks:                                 |                           |            |                                          |                             |            |

PRODUCTION OR PROTOTYPE TESTING

|                      |     |       |     |
|----------------------|-----|-------|-----|
| All point Lifting    | YES | 16.00 | Ton |
| 2 Point Lifting      |     |       | Ton |
| Vertical Impact test |     |       | Ton |
| Other tests          |     |       | Ton |

REMARKS

- Internal fittings includes of: cabinets, tables, PU wall paneling, installation of portable crane and HPU system, electrical work

\* We clearly understand the above requirement and will ensure that all this requirements are fulfilled when produce the above mention product.

|                 |              |                 |                            |                            |                        |
|-----------------|--------------|-----------------|----------------------------|----------------------------|------------------------|
|                 |              |                 |                            |                            |                        |
| Project Manager | QA/QC        | Sales/Marketing | Plant / Production Manager | Supervisor (If applicable) | Client (If applicable) |
| Date 28/1/09    | Date 28/1/09 | Date 28/1/09    | Date 28/1/09               | Date                       | Date                   |