**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: info@nusatek.com

Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-01/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/004/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 516 Gr. 70 | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (12+3)mm |
| Welding Process : | FCAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Rabbul Akbar W-007 TP-1 2G | 15 | 3 | – | 12 | 0 - 1 | NRI | Accept | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

| | | | |
|---|---|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II | Client Representative: | |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II | Name: | |
| Date: | 02 March 2018 | Date: | |

NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)

**NUSANTARA TECHNOLOGIES SDN. BHD.** (187753-D)
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Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-02/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/003/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 516 Gr. 70 | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (12+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Al-Jukri W-017 TP-1 2G | 15 | 3 | – | 12 | 0 - 1 | Por | Accept | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

Radiographer : Mohd Zaffri- ASNT Lev. II

Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II

Date: 02 March 2018

NUSANTARA TECHNOLOGIES SDN. BHD. NDT DIVISION

Client Representative:

Name:

Date:

**NUSANTARA TECHNOLOGIES SDN. BHD.** (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
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Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-03/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/002/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 240 TP 304L | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (8+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Rabbul Akbar<br>W-007<br>TP-2<br>2G | 11 | 3 | – | 8 | 0 - 1 | Por | Accept | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

| | | | |
|---|---|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II | Client Representative: | |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II | Name: | |
| Date: | 02 March 2018 | Date: | |

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

**NUSANTARA TECHNOLOGIES SDN. BHD.** (187753-D)
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Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-04/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/002/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 240 TP 304L | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (8+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Al-Jukri W-017 TP-2 2G | 11 | 3 | – | 8 | 0 - 1 | NRI | Accept | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Welt Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

| | | | |
|---|---|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II | Client Representative: | |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II | Name: | |
| Date: | 02 March 2018 | Date: | |

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) NDT Division

**NUSANTARA TECHNOLOGIES SDN. BHD.** (187753-D)
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Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-05/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/002/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 240 TP 304L | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (8+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Al-Jukri W-017 TP-3 3G | 11 | 3 | – | 8 | 0 - 1 | NRI | Accept | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

| | | | |
|---|---|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II | Client Representative: | |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II | Name: | |
| Date: | 02 March 2018 | Date: | |

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

**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: info@nusatek.com

Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-06/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/002/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 240 TP 304L | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (8+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Onnases W-019 TP-2 3G | 11 | 3 | – | 8 | 0 - 1 | SI | Accept | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

Radiographer : Mohd Zaffri- ASNT Lev. II

Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II

Date: 02 March 2018

NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)

Client Representative:

Name:

Date:

**NUSANTARA TECHNOLOGIES SDN. BHD.** (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
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Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-07/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/002/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 240 TP 304L | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (8+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Nasruddin Bin Thalib W-022 TP-2 2G | 11 | 3 | – | 8 | 0 - 1 | NRI | Accept | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

| | | | |
|---|---|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II | | Client Representative: |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II | | Name: |
| Date: | 02 March 2018 | | Date: |

NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division

**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: info@nusatek.com

Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-08/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/002/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 240 TP 304L | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (8+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Nasruddin Bin Thalib<br>W-022<br>TP-3<br>3G | 11 | 3 | – | 8 | 0 - 1 | NRI | Accept | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

| | | | |
|---|---|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II | Client Representative: | |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II | Name: | |
| Date: | 02 March 2018 | Date: | |

**NUSANTARA TECHNOLOGIES SDN. BHD.** (187753-D)
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Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-09/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | |
|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. |
| Project : | Welder Qualification Test.<br>TNR/WPS/003/10 Rev.- |
| Material: | SA 516 Gr.70 |
| Welding Process : | SMAW |
| Examination Code : | ASME V |
| Acceptance Code: | ASME Section IX, 2017 Ed. |
| Examination Date: | 01 March 2018 |

| | |
|---|---|
| Procedure No: | NT/RT/ASME Rev. 7.0 |
| IQI type : | ASTM 1B |
| Film Manufacturer/Type : | FUJI 100(class II) |
| Density : | 2.0 - 3.5 |
| Sensitivity: | 0.33mm(5 wires visible) |
| Source to Object Distance : | 400mm |
| Source Side of Object to Film Distance: | (12+3)mm |
| No of Radiograph(exposure) : | Single Exposure |
| No. of Film Each Cassette : | 1 Film |
| Radiographic Technique : | SWSI |
| Film Viewing Technique : | Single Wall Viewing |
| Source Type/Size : | Iridium192 (3.2mm) |
| Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Nasruddin Bin Thalib<br>W-022<br>TP-3<br>3G | 15 | 3 | – | 12 | 0 - 1 | Por | Reject | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
| *SI : Slag Inclusion* | *LP : Lack of Penetration* | *Con : Concavity* | *BT : Burn Through* | *RT : Reinforcement Thickness* |
| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

| | |
|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II |
| Date: | 02 March 2018 |

Client Representative:

Name:
Date:

**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: info@nusatek.com

Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-09/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/003/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 516 Gr.70 | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (12+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Nasruddin Bin Thalib<br>W-022<br>TP-1<br>2G | 15 | 3 | – | 12 | 0 - 1 | Por | Reject | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
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| *LF : Lack of Fusion* | *EP : Excess Penetration* | *AR : Artifact* | *Sur : Surface* | |

## Personnel Particulars

| | | | |
|---|---|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II | Client Representative: | |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II | Name: | |
| Date: | 02 March 2018 | Date: | |

NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)

**NUSANTARA TECHNOLOGIES SDN. BHD.** (187753-D)
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Our Ref. : NT/103100/18-10


Report No: NDT/RT/180083-10/18

# RADIOGRAPHIC EXAMINATION REPORT

## Client and Testing Particulars

| | | | |
|---|---|---|---|
| Client : | Taner Industrial Technology (M) Sdn. Bhd. | Procedure No: | NT/RT/ASME Rev. 7.0 |
| | | IQI type : | ASTM 1B |
| Project : | Welder Qualification Test. TNR/WPS/002/10 Rev.- | Film Manufacturer/Type : | FUJI 100(class II) |
| | | Density : | 2.0 - 3.5 |
| | | Sensitivity: | 0.33mm(5 wires visible) |
| Material: | SA 240 TP 304L | Source to Object Distance : | 400mm |
| | | Source Side of Object to Film Distance: | (8+3)mm |
| Welding Process : | SMAW | No of Radiograph(exposure) : | Single Exposure |
| Examination Code : | ASME V | No. of Film Each Cassette : | 1 Film |
| Acceptance Code: | ASME Section IX, 2017 Ed. | Radiographic Technique : | SWSI |
| | | Film Viewing Technique : | Single Wall Viewing |
| Examination Date: | 01 March 2018 | Source Type/Size : | Iridium192 (3.2mm) |
| | | Location Markers : | Source Side |

## Radiographic Examination Result

| Weld Reference | WT (mm) | RT (mm) | Pipe Diameter (mm) | Material Thickness (mm) | Film Position | Film Interpretation | Result | Remarks |
|---|---|---|---|---|---|---|---|---|
| Onnases W-019 TP-1 2G | 11 | 3 | – | 8 | 0 - 1 | SI | Reject | |

End of Report

*Legend:*

| | | | | |
|---|---|---|---|---|
| *TI : Tungsten Inclusion* | *NRI : No Relevant Indication* | *Uc : Undercut* | *Por : Porosity* | *WT : Weld Thickness* |
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## Personnel Particulars

| | | | |
|---|---|---|---|
| Radiographer : | Mohd Zaffri- ASNT Lev. II | Client Representative: | |
| Interpreted & Evaluated By: | Amat Hamidi - NDT Lev.II | Name: | |
| Date: | 02 March 2018 | Date: | |

NDT Division