



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/103257/18-07

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Report No: NDT/RT/180192-06/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Kumpulan Agresif Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welder Qualification Test	IQI type :	ASTM 1A
Material:	SA 312 TP 316	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	GTAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Section IX, 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	15 March 2018	Source Side of Object to Film Distance:	(60.3)mm
		No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Sahrudin Bin Syarip 690619-71-5255 6G	6.91	3	60.3	3.91	X	NRI	Accept	
					Y	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

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

Date: 16 March 2018



Client Representative:

Name:
Date:



NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)

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RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Kumpulan Agresif Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welder Qualification Test	IQI type :	ASTM 1A
Material:	SA 312 TP 316	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	GTAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Section IX, 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	15 March 2018	Source Side of Object to Film Distance:	(60.3)mm
		No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT	RT	Pipe Diameter	Material Thickness	Film Position	Film Interpretation	Result	Remarks
	(mm)	(mm)	(mm)	(mm)				
Zulkipli Bin Ahmad 680418-05-5271 6G	6.91	3	60.3	3.91	X Y	NRI NRI	Accept 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: 16 March 2018



Client Representative:

Name:

Date:

Metrology & NDT Division: No. 9, Jalan Sungai Jerlut 32/196, Seksyen 32, Bukit Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia. Tel: 603-5525 1766 Fax: 603-5525 2766

Kemaman Branch: K-7206, Kawasan Perindustrian Jakar II, 24000 Kemaman, Terengganu Darul Iman, Malaysia. Tel: 6019-389 9768, 6012-395 9133 Fax: 609-859 3129



NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)

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RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client: Kumpulan Agresif Sdn. Bhd.

Project: Welder Qualification Test

Material: A240 GR 316L

Welding Process: SMAW

Examination Code: ASME V

Acceptance Code: ASME Section IX, 2017 Ed.

Examination Date: 15 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: (6+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: Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Sahrudin Bin Syarip 690619-71-5255 3G	9	3	-	6	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: 16 March 2018

Client Representative:

Name:

Date:





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RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Kumpulan Agresif Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welder Qualification Test	IQI type :	ASTM 1B
Material:	A240 GR 316L	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	ASME Section IX, 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	15 March 2018	Source Side of Object to Film Distance:	(6+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 :	Film Side

Radiographic Examination Result

Weld Reference	WT	RT	Pipe Diameter	Material Thickness	Film Position	Film Interpretation	Result	Remarks
	(mm)	(mm)	(mm)	(mm)				
Zulkipli Bin Ahmad 680418-05-5271 3G	9	3	-	6	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
 Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II
 Date: 16 March 2018



Client Representative:

Name:
Date:



Our Ref. : NT/103257/18-07

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RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Enemore Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welder Qualification Test	IQI type :	ASTM 1B
Material:	ASTM A240 304	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	ASME Section IX, 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	15 March 2018	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 :	Film Side

Radiographic Examination Result

Weld Reference	WT	RT	Pipe Diameter	Material Thickness	Film Position	Film Interpretation	Result	Remarks
	(mm)	(mm)	(mm)	(mm)				
Zulkipli Bin Ahmad 680418-05-5271 3G	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.		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II		Name:
Date:	16 March 2018		Date:



Our Ref. : NT/103257/18-07

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RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Enermore Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welder Qualification Test	IQI type :	ASTM 1B
Material:	S 275 JR	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	ASME Section IX, 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	15 March 2018	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 :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Zulkipli Bin Ahmad 680418-05-5271 3G	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: 16 March 2018



Client Representative:

Name:
 Date:



Our Ref. : NT/103257/18-07

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RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Enermore Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welder Qualification Test	IQI type :	ASTM 1B
Material:	ASTM A 240 316L	Film Manufacturer/Type.:	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	ASME Section IX, 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	15 March 2018	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 :	Film Side

Radiographic Examination Result

Weld Reference	WT	RT	Pipe Diameter	Material Thickness	Film Position	Film Interpretation	Result	Remarks
	(mm)	(mm)	(mm)	(mm)				
Md. Sumon BC 0676419 3G	15	3	-	12	0 - 1	Sur	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: 16 March 2018



Client Representative:

Name:
Date: