



# 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/103390/18-02

Page No: 1 of 1

Report No: NDT/RT/180329-01/18

## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client :	TWI Technology (SEA) Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev 7.0
Project :	WPS Development WPS/EITI/2018-002	IQI type :	ASTM 1B
Material:	SA 106 Gr.B	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	GMAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	ASME Section IX ; 2017 Edition.	Source to Object Distance :	168.3mm
Examination Date:	05 April 2018	Source Side of Object to Film Distance:	(10.97+3)mm
		No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	DWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

### Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Muhammad Dzulhelme Razali 931026-06-5175 6G	13.97	3	168.3	10.97	0 - 1 1 - 2 2 - 0	NRI NRI Por	Accept Accept Accept	AR

End of Report

#### Legend:

TI: Tungsten Inclusion	NRI: No Relevant Indication	Uo: 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 : Emirsham - NDT Lev. II

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

Date: 06 April 2018



Client Representative:

Name:

Date:



Our Ref.: NT/103390/18-02

Page No: 1 of 1

Report No: NDT/RT/180329-02/18

## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client :	TWI Technology (SEA) Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev 7.0
Project :	WPS Development WPS/EIT/2018-004	IQI type :	ASTM 1B
Material:	SA 106 Gr.B	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW / FCAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	ASME Section IX ; 2017 Edition.	Source to Object Distance :	168.3mm
Examination Date:	05 April 2018	Source Side of Object to Film Distance:	(10.97+3)mm
		No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	DWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

### Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Muhammad Dzuhelme Razali 931026-06-5175 6G	13.97	3	168.3	10.97	0 - 1 1 - 2 2 - 0	NRI Por NRI	Accept Accept Accept	

End of Report

#### Legend:

Ti: Tungsten Inclusion	NRI: No Relevant Indication	Uc: Undercut	Por: Porosity	WT: Weld Thickness
Sl: 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 : Emirsham - NDT Lev. II  
 Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II  
 Date: 06 April 2018



Client Representative:  
 Name:  
 Date: