



Our Ref. : NT/103381/18-02

Page No: 1 of 1  
 Report No: BFTT/RT-02/18

## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client :	Bukit Fraser Thermal Technology Sdn Bhd	Procedure No:	NT/G/RT/BS EN Rev 1.0
Project :	VH Boiler And Energy System Sdn Bhd . / PT.Austindo Nusantara Jaya 35,000 KG / HR Boiler.	IQI type :	DIN FE 10-16
Job No:	BFTT 17-651	Film Manufacturer/Type :	FUJI 100/class II
Material:	223 490B	Density :	2.0 - 4.0
Welding Process :	SMAW / SAW	Sensitivity:	0.32mm(Wire No.11)
Examination Code :	BS 1435	Source to Object Distance :	400mm
Acceptance Code:	BS 1113:1999	Source Side of Object to Film Distance:	(28/16+3)mm
Examination Date:	04 April 2018	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 (Welder No)	WT	RT	Pipe Diameter	Material Thickness	Film Position	Film interpretation	Result	Remarks
	(mm)	(mm)	(mm)	(mm)				
WD - 81020								
C4 (WN-302/312)	31 / 19	3	-	28 / 16	0 - 1	Por	Accept	
					1 - 2	NRI	Accept	
					2 - 3	Por	Accept	
					3 - 4	Por	Accept	
					4 - 5	Por	Accept	
					5 - 6	SI	Reject	
					6 - 7	NRI	Accept	
					7 - 8	NRI	Accept	
					8 - 9	NRI	Accept	
					9 - 10	NRI	Accept	
					10 - 11	NRI	Accept	
					11 - 0	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 : Emirsham - NDT Lev. II

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

Date: 05 April 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/103381/18-02

Page No: 1 of 1

Report No: BFTT/RT-03/18

## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client :	Bukit Fraser Thermal Technology Sdn Bhd	Procedure No:	NT/G/RT/BS EN Rev 1.0
Project :	VH Boiler And Energy System Sdn Bhd . / PT.Austindo Nusantara Jaya 35,000 KG / HR Boiler.	IQI type :	DIN FE 10-16
Job No:	BFTT 17-651	Film Manufacturer/Type :	FUJI 100/class II
Material:	223 490B	Density :	2.0 - 4.0
Welding Process :	SMAW / SAW	Sensitivity:	0.32mm(Wire No.11)
Examination Code :	BS 1435	Source to Object Distance :	400mm
Acceptance Code:	BS 1113:1999	Source Side of Object to Film Distance:	(28/16+3)mm
Examination Date:	04 April 2018	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 (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
WD - 81020								
C1 (WN-311/078)	31 / 19	3	—	28 / 16	0 - 1	NRI	Accept	AR
					1 - 2	AR		Reshoot
					2 - 3	Sur		Visual
					3 - 4	Sur		Visual
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	
					6 - 7	SI	Accept	
					7 - 8	Por	Accept	
					8 - 9	Por	Accept	
					9 - 10	NRI	Accept	
					10 - 11	NRI	Accept	
					11 - 0	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 : Emirsham - NDT Lev. II

Interpreted & Amat Hamidi - NDT Lev.II

Evaluated By:

Date: 05 April 2018



Client Representative:

Name:

Date: