



Our Ref. : NT/103122/18-04

Page No: 1 of 1  
 Report No: NDT/RT/180126-01/18

## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client :	Besteel Berhad	Procedure No:	NT/RT/ASME Rev. 6.0
Project :	Sand Filter (Dish Head)	IQI type :	ASTM 1B
Material:	JIS SS400	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 Sec VIII DIV.1 2015 Ed.	Source to Object Distance :	400mm
Examination Date:	02 March 2018	Source Side of Object to Film Distance:	(12mm)
		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	RT	Pipe Diameter	Material Thickness	Film Position	Film Interpretation	Result	Remarks
	(mm)	(mm)	(mm)	(mm)				
SF 05	12	-	-	12	0 - 1	Por	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	Por	Accept	
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	
					6 - 7	NRI	Accept	AR
					7 - 8	NRI	Accept	
					8 - 9	Por	Accept	
					9 - 10	NRI	Accept	
					10 - 11	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: 03 March 2018



Client Representative:  
 Name:  
 Date:



Our Ref. : NT/103122/18-04

Page No: 1 of 1

Report No: NDT/RT/180126-02/18

### RADIOGRAPHIC EXAMINATION REPORT

#### Client and Testing Particulars

Client :	Besteel Berhad	Procedure No:	NT/RT/ASME Rev. 6.0
Project :	Sand Filter (Dish Head)	IQI type :	ASTM 1B
Material:	JIS SS400	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 Sec VIII DIV.1 2015 Ed.	Source to Object Distance :	400mm
Examination Date:	02 March 2018	Source Side of Object to Film Distance:	(12mm)
		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
SF 06	12	-	-	12	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	AR
					2 - 3	Por	Accept	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	Por	Accept	
					6 - 7	NRI	Accept	
					7 - 8	NRI	Accept	
					8 - 9	NRI	Accept	
					9 - 10	Por	Accept	
					10 - 11	Por	Accept	

End of Report

#### Legend:

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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: 03 March 2018



Client Representative:

Name:

Date:



Our Ref. : NT/103122/18-04

Page No: 1 of 1

Report No: NDT/RT/180126-03/18

### RADIOGRAPHIC EXAMINATION REPORT

#### Client and Testing Particulars

Client :	Besteel Berhad	Procedure No:	NT/RT/ASME Rev. 6.0
Project :	Sand Filter (Dish Head)	IQI type :	ASTM 1B
		Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
Material:	JIS SS400	Sensitivity:	0.33mm(5 wires visible)
		Source to Object Distance :	400mm
Welding Process :	SMAW	Source Side of Object to Film Distance:	(12mm)
Examination Code :	ASME V	No of Radiograph(exposure) :	Single Exposure
Acceptance Code:	ASME Sec VIII DIV.1 2015 Ed.	No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
Examination Date:	02 March 2018	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
SF 04	12	-	-	12	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	Por	Accept	
					5 - 6	Por	Accept	
					6 - 7	NRI	Accept	
					7 - 8	NRI	Accept	
					8 - 9	Por	Accept	
					9 - 10	NRI	Accept	
					10 - 11	Por	Reject	

End of Report

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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

Client Representative:

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

Name:

Date: 03 March 2018

Date:





Our Ref. : NT/103122/18-04

Page No: 1 of 1

Report No: NDT/RT/180126-04/18

### RADIOGRAPHIC EXAMINATION REPORT

#### Client and Testing Particulars

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Project :	Sand Filter (Dish Head)	IQI type :	ASTM 1B
Material:	JIS SS400	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 Sec VIII DIV.1 2015 Ed.	Source to Object Distance :	400mm
Examination Date:	02 March 2018	Source Side of Object to Film Distance:	(12mm)
		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	RT	Pipe Diameter	Material Thickness	Film Position	Film Interpretation	Result	Remarks
	(mm)	(mm)	(mm)	(mm)				
SF 03	12	-	-	12	0 - 1	Por	Accept	
					1 - 2	NRI	Accept	
					2 - 3	Sur	Accept	
					3 - 4	Por	Accept	
					4 - 5	Inc	Reject	
					5 - 6	Inc	Reject	
					6 - 7	Por	Accept	
					7 - 8	NRI	Accept	
					8 - 9	Por	Accept	
					9 - 10	Por	Reject	
					10 - 11	Por	Accept	

End of Report

#### Legend:

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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: 03 March 2018



Client Representative:

Name:

Date: