



Our Ref.: NT/103567/18-07

Page No: 1 of 2
 Report No: NDT/RT/180450-01/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 7.0
Project :	18/01728PCYC Sludge Filter No.1 (222/001/1) Venator (Tank 1)	IQI type :	ASTM 1A
Material:	S 275 JR	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	FCAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Sect. VIII Div.1 : 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	20 April 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 (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Sludge Filter No.1 (222/001/1)								
Joint 1 (WN-119)	9	3	-	6	0 - 1	NRI	Accept	
					1 - 2	Por	Accept	
					2 - 3	Por	Reject	
					3 - 4	Por	Accept	
					4 - 5	Por	Accept	
					5 - 6	Por	Accept	
					6 - 7	LF / Por	Reject	
					7 - 8	Por	Accept	
					8 - 9	SI	Reject	
					9 - 10	Por	Accept	

Continue Next Page

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: 21 April 2018



Client Representative:
 Name:
 Date:



Our Ref. : NT/103567/18-07

Page No: 2 of 2
 Report No: NDT/RT/180450-01/18

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
-------------------------------	------------	------------	--------------------------	-------------------------------	------------------	---------------------	--------	---------

Sludge Filter No.1 (222/001/1)

Joint 1 (WN-119)	9	3	-	6	10 - 11	NRI	Accept	
					11 - 12	NRI	Accept	
					12 - 13	Por	Accept	
					13 - 14	NRI	Accept	
					14 - 15	Por	Accept	
					15 - 16	NRI	Accept	
					16 - 17	NRI	Accept	

End of Report





Our Ref.: NT/103567/18-07

Page No: 1 of 1

Report No: NDT/RT/180450-02/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 7.0
Project :	18/01728PCYC Sludge Filter No.1 (222/001/1) Venator (Tank 1)	IQI type :	ASTM 1A
Material:	S 275 JR	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	FCAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Sect. VIII Div.1 : 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	20 April 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 (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Sludge Filter No.1 (222/001/1)								
Joint 4 R1 (WN-119)	9	3	-	6	1 - 2	NRI	Accept	
					2 - 3	Por	Accept	
					6 - 7	Por	Accept	
					7 - 8	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: 21 April 2018



Client Representative:

Name:

Date:



Our Ref. : NT/103567/18-07

Page No: 1 of 1

Report No: NDT/RT/180450-03/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 7.0
Project :	18/01728PCYC Sludge Filter No.1 (222/001/1) Venator (Tank 1)	IQI type :	ASTM 1A
Material:	S 275 JR	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	FCAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Sect. VIII Div.1 : 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	20 April 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 (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Sludge Filter No.1 (222/001/1)								
Joint 2 R1 (WN-199)	9	3	-	6	0 - 1	Por	Accept	
					1 - 2	Por	Accept	
					4 - 5	Por	Accept	
					5 - 6	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 : Emirsham - NDT Lev. II

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

Date: 21 April 2018



Client Representative:

Name:

Date:



Our Ref.: NT/103567/18-07

Page No: 1 of 1
 Report No: NDT/RT/180450-04/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 7.0
Project :	18/01728PCYC Sludge Filter No.1 (222/001/1) Venator (Tank 1)	IQI type :	ASTM 1A
Material:	S 275 JR	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	FCAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Sect. VIII Div.1 : 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	20 April 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 (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Sludge Filter No.1 (222/001/1)								
Joint 3 RS (WN-199)	9	3	--	6	4-5	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: 21 April 2018



Client Representative:
 Name:
 Date:



Our Ref.: NT/103567/18-07

Page No: 1 of 1

Report No: NDT/RT/180450-05/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 7.0
Project :	18/01728PCYC Sludge Filter No.1 (222/001/1) Venator (Tank 1)	IQI type :	ASTM 1A
Material:	S 275 JR	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	FCAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Sect. VIII Div.1 : 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	20 April 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 (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Sludge Filter No.1 (222/001/1)								
Joint 6 (WN-199)	9	3	-	6	0 - 1	SI / 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 : Emirsham - NDT Lev. II

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

Date: 21 April 2018



Client Representative:

Name:

Date:



Our Ref.: NT/103567/18-07

Page No: 1 of 1
 Report No: NDT/RT/180450-06/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 7.0
Project :	18/01728PCYC	IQI type :	ASTM 1A
	Sludge Filter No.1 (222/001/1)	Film Manufacturer/Type :	FUJI 100(class II)
	Venator (Tank 1)	Density :	2.0-3.5
Material:	S 275 JR	Sensitivity:	0.20mm(2 wires visible)
		Source to Object Distance :	400mm
Welding Process :	FCAW	Source Side of Object to Film Distance:	(6+3)mm
Examination Code :	ASME V	No of Radiograph(exposure) :	Single Exposure
Acceptance Code:	ASME Sect. VIII Div.1 : 2017 Ed.	No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
Examination Date:	20 April 2018	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
Sludge Filter No.1 (222/001/1)								
Joint 5 (WN-199)	9	3	-	6	0 - 1	inc / 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 : Emirsham - NDT Lev. II
 Interpreted & Evaluated By: Amat Hamidi - NDT Lev. II
 Date: 21 April 2018



Client Representative:
 Name:
 Date:



Our Ref.: NT/103567/18-07

Page No: 1 of 1

Report No: NDT/RT/180450-07/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 7.0
Project :	18/01728PCYC Sludge Filter No.1 (222/001/1) Venator (Tank 1)	IQI type :	ASTM 1A
Material:	S 275 JR	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	FCAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Sect. VIII Div.1 : 2017 Ed.	Source to Object Distance :	400mm
Examination Date:	20 April 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 (Welder No)	WT	RT	Pipe Diameter	Material Thickness	Film Position	Film Interpretation	Result	Remarks
	(mm)	(mm)	(mm)	(mm)				
Sludge Filter No.1 (222/001/1)								
Joint 3 R1 (WN-199)	9	3	—	6	0 - 1	Por	Accept	
					1 - 2	Sur	Accept	
					2 - 3	Por	Reject	
					6 - 7	Por / Sur	Accept	
					7 - 8	Por	Accept	
					10 - 11	Por	Accept	
					12 - 13	Por	Accept	
					13 - 14	Por	Accept	
					14 - 15	Por	Accept	
					15 - 16	Por	Accept	

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	

End of Report

Personnel Particulars

Radiographer : Emirsham - NDT Lev. II
 Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II
 Date: 21 April 2018



Client Representative:
 Name:
 Date: