



Our Ref.: NT/103129/18-06

Page No: 1 of 1

Report No: NDT/RT/180152-03/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 6.0
Project :	A17012NKT Utility Receiver Vessel	IQI type :	ASTM 1B
Material:	SA 240 GR 316L	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	GTAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	ASME Sect. VIII Div.1 : 2015 Ed. & PTS 12.20.01	Source to Object Distance :	400mm
Examination Date:	09 March 2018	Source Side of Object to Film Distance:	(8+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
V-5430 U125								
CS 3 (WN-189)	11	3	—	8	0 - 1	Inc	Reject	
					1 - 2	Inc	Reject	
					2 - 3	Inc	Reject	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	AR
					6 - 7	NRI	Accept	
					7 - 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 & Evaluated By: Amat Hamidi - NDT Lev.II

Date: 10 March 2018



Client Representative:

Name:

Date:



Our Ref.: NT/RT/102854/18-09

Page No: 1 of 1

Report No: NT/SEB/102854-09/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Seremban Engineering Berhad	Procedure No:	NT/RT/ASME REV 6.0
Project :	A17010 NKT Filter Housing	IQI type :	ASTM 1B
Material:	SA 106 GrB / SA 105	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	GTAW	Density :	2.0-3.5
Examination Code :	ASME V	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	ASME Sect. VIII Div.1 : 2015 Ed. + PTS 12.20.01	Source to Object Distance :	400mm
Examination Date:	19 January 2018	Source Side of Object to Film Distance:	(8.74+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 :	Source Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
S-5465 A (U-126)								
N2 JT2	11.74	3	60.3	8.74	X	NRI	Accept	
WN - 75					Y	NRI	Accept	
N3 JT2	11.74	3	60.3	8.74	X	NRI	Accept	
WN - 75					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 : Emirsham - NDT Lev. II

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

Date: 20 January 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/103323/18-06

Page No: 1 of 2

Report No: CNE/RT-04/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Chip Ngai Engineering Works Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
Project :	Prima Gas S/B. / 20 KL LPG Above Ground Storage Tank.	IQI type :	ASTM 1B
Job No:	P006/18	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	SMAW / SAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	1185mm
Acceptance Code:	ASME Sect. VIII, DIV. 1, 2017 Ed.	Source Side of Object to Film Distance:	(17+3mm)
Examination Date:	27 March 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
CN-005-18								
CW 1 (WN230)	20	3	2370	17	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	Por / SI	Accept	
					5 - 6	Sur / Por	Accept	
					6 - 7	NRI	Accept	
					7 - 8	NRI	Accept	
					8 - 9	NRI	Accept	
					9 - 10	NRI	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: 28 March 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/103323/18-06

Job No: P006/18

Page No: 2 of 2

Report No: CNE/RT-04/18

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
CN-005-18								
CW 1 (WN230)	20	3	2370	17	10 - 11	NRI	Accept	
					11 - 12	Por	Accept	
					12 - 13	Por	Accept	
					13 - 14	NRI	Accept	
					14 - 15	Por	Accept	
					15 - 16	Por	Accept	
					16 - 17	Uc	Accept	
					17 - 18	NRI	Accept	
					18 - 19	Por	Accept	
					19 - 20	Por	Accept	
					20 - 21	Por	Accept	
					21 - 22	Por	Accept	
					22 - 23	Por	Accept	
					23 - 24	Por	Accept	
					24 - 25	Por	Accept	
					25 - 0	NRI	Accept	

End of Report





Our Ref. : NT/103323/18-06

Page No: 1 of 2

Report No: CNE/RT-05/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Chip Ngai Engineering Works Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
Project :	Prima Gas S/B. / 20 KL LPG Above Ground Storage Tank.	IQI type :	ASTM 1B
Job No:	P006/18	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	SMAW / SAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	1185mm
Acceptance Code:	ASME Sect. VIII, DIV. 1, 2017 Ed.	Source Side of Object to Film Distance:	(17+3mm)
Examination Date:	27 March 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
CN-005-18								
CW 3 (WN230)	20	3	2370	17	0 - 1	Por	Accept	
					1 - 2	Por	Accept	
					2 - 3	SI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	
					6 - 7	NRI	Accept	
					7 - 8	SI	Accept	
					8 - 9	NRI	Accept	
					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: 28 March 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/103323/18-06
Job No: P006/18

Page No: 2 of 2
Report No: CNE/RT-05/18

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
CN-005-18								
CW 3 (WN230)	20	3	2370	17	10 - 11	Por	Accept	
					11 - 12	Por	Accept	
					12 - 13	Por	Accept	
					13 - 14	SI	Accept	
					14 - 15	Por / SI	Reject	
					15 - 16	NRI	Accept	
					16 - 17	NRI	Accept	AR
					17 - 18	NRI	Accept	
					18 - 19	SI	Accept	
					19 - 20	Por	Accept	
					20 - 21	Por / SI	Accept	
					21 - 22	NRI	Accept	
					22 - 23	Por	Accept	
					23 - 24	NRI	Accept	
					24 - 25	NRI	Accept	
					25 - 0	NRI	Accept	

_____ End of Report _____





Our Ref. : NT/103323/18-06

Page No: 1 of 2

Report No: CNE/RT-06/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Chip Ngai Engineering Works Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
Project :	Prima Gas S/B. / 20 KL LPG Above Ground Storage Tank.	IQI type :	ASTM 1B
Job No:	P006/18	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	SMAW / SAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	1185mm
Acceptance Code:	ASME Sect. VIII, DIV. 1, 2017 Ed.	Source Side of Object to Film Distance:	(17+3mm)
Examination Date:	27 March 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
CN-005-18								
CW 2 (WN230)	20	3	2370	17	0 - 1	NRI	Accept	
					1 - 2	Por	Accept	
					2 - 3	Por	Accept	
					3 - 4	Por	Reject	
					4 - 5	Por	Accept	AR
					5 - 6	Por	Accept	
					6 - 7	SI	Accept	
					7 - 8	Por	Accept	AR
					8 - 9	Por	Accept	
					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: 28 March 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/103323/18-06

Job No: P006/18

Radiographic Examination Result

Page No: 2 of 2

Report No: CNE/RT-06/18

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
CN-005-18								
CW 2 (WN230)	20	3	2370	17	10 - 11	NRI	Accept	
					11 - 12	Por	Accept	
					12 - 13	Por	Accept	
					13 - 14	Por	Accept	
					14 - 15	NRI	Accept	
					15 - 16	Por	Accept	
					16 - 17	NRI	Accept	
					17 - 18	Por	Accept	AR
					18 - 19	NRI	Accept	
					19 - 20	Por	Reject	
					20 - 21	Por	Accept	
					21 - 22	SI	Reject	
					22 - 23	SI	Accept	
					23 - 24	Por	Accept	
					24 - 25	Por	Accept	
					25 - 0	Por	Accept	

End of Report

