



Our Ref. : NT/103125/18-09

Page No: 1 of 1

Report No: NT/RT/180128-01/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT)	IQI type :	ASTM 1B
	LFL/WPS/SMAW-1	Film Manufacturer/Type :	FUJI 100(class II)
	LFL/PQR/SMAW-1	Density :	2.0 - 3.5
Material:	Carbon Steel	Sensitivity:	0.33mm(5 wires visible)
		Source to Object Distance :	400mm
Welding Process :	SMAW	Source Side of Object to Film Distance:	(12+3)mm
Examination Code :	ASME V	No of Radiograph(exposure) :	Single Exposure
Acceptance Code:	ASME Section IX ; 2017 Edition.	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 (3.6mm)
		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
Alamsha B Sukarmin 821116-12-6253 3G	15	3	-	12	0 - 1	Por	Accept	
Rusdi B Amir AT - 838251 3G	15	3	-	12	0 - 1	Por	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	NRI : No Relevant Indication	UN : 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

Client Representative:

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

Name:

Date: 03 March 2018

Date:





Our Ref. : NT/103125/18-09

Page No: 1 of 1

Report No: NT/RT/180128-02/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT) LFL/WPS/SMAW-1	IQI type :	ASTM 1B
Material:	LFL/PQR/SMAW-1 Carbon Steel	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 Section IX ; 2017 Edition.	Source to Object Distance :	400mm
Examination Date:	02 March 2018	Source Side of Object to Film Distance:	(12+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 (3.6mm)
		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
Masdar B Sain 8404814-12-4115 3G	15	3	-	12	0 - 1	LF / Por	Reject	

End of Report

Legend:

TI: Tungsten Inclusion	NRI: No Relevant Indication	UN: 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

Client Representative:

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

Name:

Date: 03 March 2018

Date:





Our Ref. : NT/103125/18-09

Page No: 1 of 1

Report No: NT/RT/180128-04/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT) LFL/WPS/SMAW/2G/1	IQI type :	ASTM 1B
Material:	Carbon Steel	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 Section IX ; 2017 Edition.	Source to Object Distance :	400mm
Examination Date:	02 March 2018	Source Side of Object to Film Distance:	(12+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 (3.6mm)
		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
Jul Asbi B Amir 800402-12-6147 2G	15	3	-	12	0 - 1	Por	Accept	
Nurdin B Mappa 720515-12-5175 2G	15	3	-	12	0 - 1	Por	Accept	
Ramlee B Dahlan 880703-12-5475 2G	15	3	-	12	0 - 1	Por	Accept	
Alamsha B Sukarmin 821116-12-6253 2G	15	3	-	12	0 - 1	Por	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	NRI : No Relevant Indication	UN : 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	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	Name:	
Date:	03 March 2018	Date:	





RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT) LFL/WPS/SMAW/2G/1	IQI type :	ASTM 1B
Material:	Carbon Steel	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 Section IX ; 2017 Edition.	Source to Object Distance :	400mm
Examination Date:	02 March 2018	Source Side of Object to Film Distance:	(12+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 (3.6mm)
		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
Mohd Amir Nase 710428-12-5637 2G	15	3	-	12	0 - 1	Por	Accept	
Agus Turnip AT - 829948 2G	15	3	-	12	0 - 1	NRI	Accept	
Risal B Rasid 710422-12-5847 2G	15	3	-	12	0 - 1	Por	Accept	
Rusdi B Amir AT - 838251 2G	15	3	-	12	0 - 1	Por	Accept	

End of Report

Legend:

TI: Tungsten Inclusion	NRI: No Relevant Indication	UN: 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:



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/103125/18-09

Page No: 1 of 1

Report No: NT/RT/180128-05/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT) LFLWPS/SMAW/2G/1	IQI type :	ASTM 1B
Material:	Carbon Steel	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 Section IX ; 2017 Edition.	Source to Object Distance :	400mm
Examination Date:	02 March 2018	Source Side of Object to Film Distance:	(12+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 (3.6mm)
		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
Masdar B Sain 8404814-12-4115 2G	15	3	-	12	0 - 1	SI / Por	Reject	

End of Report

Legend:

TI: Tungsten Inclusion	NRI: No Relevant Indication	UN: 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:



RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT)	IQI type :	ASTM 1B
	LFL/WPS/SMAW-002	Film Manufacturer/Type :	FUJI 100(class II)
	LFL/PQR/SMAW-002	Density :	2.0 - 3.5
Material:	Carbon Steel	Sensitivity:	0.33mm(5 wires visible)
		Source to Object Distance :	400mm
Welding Process :	SMAW	Source Side of Object to Film Distance:	(8+3)mm
Examination Code :	ASME V	No of Radiograph(exposure) :	Single Exposure
Acceptance Code:	ASME Section IX ; 2017 Edition.	No. of Film Each Cassette :	1 Film
		Radiographic Technique :	DWSI
Examination Date:	02 March 2018	Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.6mm)
		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
Abd Halik B Kacong 800730-12-6111 6G	11	3	-	8	0 - 1	Por	Accept	
					1 - 2	Por	Accept	
					2 - 0	NRI	Accept	

End of Report

Legend:

Ti: Tungsten Inclusion	NRI: No Relevant Indication	UN: 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:



RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT) LFL/WPS/SMAW-002 LFL/PQR/SMAW-002	IQI type :	ASTM 1B
Material:	Carbon Steel	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 Section IX ; 2017 Edition.	Source to Object Distance :	400mm
Examination Date:	02 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 :	DWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.6mm)
		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
Mustakim 880716-12-5203 6G	11	3	-	8	0 - 1	Por	Accept	
					1 - 2	NRI	Accept	
					2 - 0	Por	Accept	

End of Report

Legend:

TI: Tungsten Inclusion	NRI: No Relevant Indication	UN: 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/103125/18-09

Page No: 1 of 1

Report No: NT/RT/180128-08/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT) LFL/WPS/SMAW-002 LFL/PQR/SMAW-002	IQI type :	ASTM 1B
Material:	Carbon Steel	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 Section IX ; 2017 Edition.	Source to Object Distance :	400mm
Examination Date:	02 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 :	DWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.6mm)
		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
Baharuddin B Limbang 810527-12-6465 6G	11	3	-	8	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	
					2 - 0	NRI	Accept	

End of Report

Legend:

TI: Tungsten Inclusion	NRI: No Relevant Indication	UN: 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	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev. II	Name:	
Date:	03 March 2018	Date:	





RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	LF Lansen Sdn. Bhd.	Procedure No:	NT/RT/ASME Rev. 7.0
Project :	Welding Qualification Test (WQT) LFL/WPS/SMAW-002 LFL/PQR/SMAW-002	IQI type :	ASTM 1B
Material:	Carbon Steel	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 Section IX ; 2017 Edition.	Source to Object Distance :	400mm
Examination Date:	02 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 :	DWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.6mm)
		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
Mohadi B Ali 831016-12-6319 6G	11	3	-	8	0 - 1 1 - 2 2 - 0	SI / Por NRI NRI	Reject Accept Accept	

End of Report

Legend:

TI: Tungsten Inclusion	NRI: No Relevant Indication	UN: 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: