



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/103216/18-06

Page No: 1 of 1

Report No: NDT/RT/180161-02/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Favelle Favco Cranes (M) Sdn Bhd	Procedure No:	NT/G/RT/AWS Rev. 2.0
Project :	FFCM/WPS/013/2018	IQI type :	ASTM 1B
Material:	VA770 To 690QL1	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0-3.5
Examination Code :	AWS D1.1	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	AWS D1.1 Latest Edition	Source to Object Distance :	400mm
Examination Date:	09 March 2018	Source Side of Object to Film Distance:	(4.76+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 (3.2mm)
		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
Mohammad Azwan 911013-01-6309 (WN210)								
TP - 2	7.76	3	76.2	4.76	A	NRI	Accept	
6G					B	NRI	Accept	
					C	NRI	Accept	
					D	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/103216/18-06

Page No: 1 of 1

Report No: NDT/RT/180161-03/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Favelle Favco Cranes (M) Sdn Bhd	Procedure No:	NT/G/RT/AWS Rev. 2.0
Project :	FFCMWPS/013/2018	IQI type :	ASTM 1B
Material:	VA770 To 690QL1	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0-3.5
Examination Code :	AWS D1.1	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	AWS D1.1 Latest Edition	Source to Object Distance :	400mm
Examination Date:	09 March 2018	Source Side of Object to Film Distance:	(4.76+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 (3.2mm)
		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
Mohammad Azwan 911013-01-6309 (WN210)								
TP - 3	7.76	3	76.2	4.76	A	NRI	Accept	
6G					B	NRI	Accept	
					C	NRI	Accept	
					D	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/103216/18-06

Page No: 1 of 1

Report No: NDT/RT/180161-04/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Favelle Favco Cranes (M) Sdn Bhd	Procedure No:	NT/G/RT/AWS Rev. 2.0
Project :	FFCM/WPS/013/2018	IQI type :	ASTM 1B
Material:	VA770 To 690QL1	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0-3.5
Examination Code :	AWS D1.1	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	AWS D1.1 Latest Edition	Source to Object Distance :	400mm
Examination Date:	09 March 2018	Source Side of Object to Film Distance:	(4.76+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 (3.2mm)
		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
Budarin B. Kamarudin 760930-05-5337 (WN-SC102)								
TP - 4	7.76	3	76.2	4.76	A	NRI	Accept	
6G					B	NRI	Accept	
					C	NRI	Accept	
					D	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/103216/18-06

Page No: 1 of 1

Report No: NDT/RT/180161-05/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Favelle Favco Cranes (M) Sdn Bhd	Procedure No:	NT/G/RT/AWS Rev. 2.0
Project :	FFCM/WPS/013/2018	IQI type :	ASTM 1B
Material:	VA770 To 690QL1	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0-3.5
Examination Code :	AWS D1.1	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	AWS D1.1 Latest Edition	Source to Object Distance :	400mm
Examination Date:	09 March 2018	Source Side of Object to Film Distance:	(4.76+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 (3.2mm)
		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
Budarin B. Kamarudin 760930-05-5337 (WN-SC102)								
TP - 5	7.76	3	76.2	4.76	A	NRI	Accept	
6G					B	NRI	Accept	
					C	NRI	Accept	
					D	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/103216/18-06

Page No: 1 of 1

Report No: NDT/RT/180161-06/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Favelle Favco Cranes (M) Sdn Bhd	Procedure No:	NT/G/RT/AWS Rev. 2.0
Project :	FFCMWPS/013/2018	IQI type :	ASTM 1B
Material:	VA770 To 690QL1	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0-3.5
Examination Code :	AWS D1.1	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	AWS D1.1 Latest Edition	Source to Object Distance :	400mm
Examination Date:	09 March 2018	Source Side of Object to Film Distance:	(4.76+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 (3.2mm)
		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
Budarin B. Kamarudin 760930-05-5337 (WN-SC102)								
TP - 6	7.76	3	76.2	4.76	A	NRI	Accept	
6G					B	NRI	Accept	
					C	NRI	Accept	
					D	NRI	Accept	

End of Report

Legend:

Ti: Tungsten Inclusion	NRI: No Relevant Indication	Uc: Undercut	Por: Porosity	WT: Weld Thickness
Sl: 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/103216/18-06

Page No: 1 of 1

Report No: NDT/RT/180161-01/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Favelle Favco Cranes (M) Sdn Bhd	Procedure No:	NT/G/RT/AWS Rev. 2.0
Project :	FFCM/WPS/013/2018	IQI type :	ASTM 1B
Material:	VA770 To 690QL1	Film Manufacturer/Type :	FUJI 100(class II)
Welding Process :	SMAW	Density :	2.0-3.5
Examination Code :	AWS D1.1	Sensitivity:	0.33mm(5 wires visible)
Acceptance Code:	AWS D1.1 Latest Edition	Source to Object Distance :	400mm
Examination Date:	09 March 2018	Source Side of Object to Film Distance:	(4.76+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 (3.2mm)
		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
Mohammad Azwan 911013-01-6309 (WN210)								
TP - 1	7.76	3	76.2	4.76	A	NRI	Accept	
6G					B	NRI	Accept	
					C	NRI	Accept	
					D	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: