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NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
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Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-01/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	114.3mm
		Source Side of Object to Film Distance:	(6.02+3)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B1)								
Serial No : U/17/017								
N1B J1	9.02	3	114.3	6.02	0 - 1	NRI	Accept	
YF060					1 - 2	NRI	Accept	
					2 - 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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)	Name:
Date:	13 April 2018		Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-02/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	114.3mm
		Source Side of Object to Film Distance:	(6.02+3)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B2)								
Serial No : U/17/018								
N1B J1	9.02	3	114.3	6.02	0 - 1	No Film		Reshoot
YF060					1 - 2	NRI	Accept	
					2 - 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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II		Name:
Date:	13 April 2018		Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-03/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(33.4)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B2)								
Serial No : U/17/018								
N4B J1	7.55	3	33.4	4.55	X	NRI	Accept	
YF060					Y	AR		Reshoot
					Z	AR		Reshoot

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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II		Name:
Date:	13 April 2018		Date:

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-04/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(33.4)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B1)								
Serial No : U/17/017								
N4B J1	7.55	3	33.4	4.55	X	NRI	Accept	
YF060					Y	TI	Accept	
					Z	AR		Reshoot

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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II		Name:
Date:	13 April 2018		Date:

NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-05/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(60.3)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B1)								
Serial No : U/17/017								
N3B J1	8.54	3	60.3	5.54	X	NRI	Accept	
YF060					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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II		Name:
Date:	13 April 2018		Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-06/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(60.3)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B1)								
Serial No : U/17/017								
N6B J1	8.54	3	60.3	5.54	X	NRI	Accept	
YF060					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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II		Name:
Date:	13 April 2018		Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-07/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(60.3)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B1)								
Serial No : U/17/017								
N5B J1	8.54	3	60.3	5.54	X	NRI	Accept	
YF060					Y	AR		Reshoot

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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)	Name:
Date:	13 April 2018		Date:

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-08/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(60.3)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Work Order : A/17/130-U
Drawing Number : YF3057.029
Description : Instrument Air Dryer (55-V-6122B2)
Serial No : U/17/018

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
N5B J1	8.54	3	60.3	5.54	X	NRI	Accept	
YF060					Y	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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)	
Date:	13 April 2018		Name: Date:

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-09/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(60.3)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B2)								
Serial No : U/17/018								
N3B J1	8.54	3	60.3	5.54	X	NRI	Accept	
YF060					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 :	M.Zaffri - NDT Lev. II	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	Name:	
Date:	13 April 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

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NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-10/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(60.3)mm
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B2)								
Serial No : U/17/018								
N6B J1	8.54	3	60.3	5.54	X	NRI	Accept	
YF060					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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division	Name:
Date:	13 April 2018		Date:

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-11/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(5+3)mm
Welding Process :	FCAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B2)								
Serial No : U/17/018								
LS1 YFW116	8	3	–	5	0 - 1	NRI	Accept	AR

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 :	M.Zaffri - NDT Lev. II	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	Name:	
Date:	13 April 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-12/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1A
Project :	Greater Enfield Development	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	Stainless Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(5+3)mm
Welding Process :	FCAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/17/130-U								
Drawing Number : YF3057.029								
Description : Instrument Air Dryer (55-V-6122B1)								
Serial No : U/17/017								
LS1 YFW116	8	3	–	5	0 - 1	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 : M.Zaffri - NDT Lev. II

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

Date: 13 April 2018

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

Client Representative:

Name:

Date:

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-13/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1B
Project :	Vertical Air Receiver	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.33mm(5 wires visible)
Material:	Carbon Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(12.7+3)mm
Welding Process :	FCAW / SAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/18/009 Drawing Number : AR-10000.038 Description : Vertical Air Receiver Serial No : YF/18/0647								
LS1 YFW125/124	15.7	3	–	12.7	0 - 1	NRI	Accept	
CS1 YFW125/124	15.7	3	–	12.7	0 - 1	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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II		Name:
Date:	13 April 2018		Date:

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-14/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1B
Project :	Vertical Air Receiver	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.33mm(5 wires visible)
Material:	Carbon Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(12.7+3)mm
Welding Process :	FCAW / SAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	12 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : A/18/009								
Drawing Number : AR-10000.038								
Description : Vertical Air Receiver								
Serial No : YF/18/0647								
CS2 YFW125/124	15.7	3	–	12.7	0 - 1	Inc	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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II		Name:
Date:	13 April 2018		Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-15/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1B
Project :	T-402 B CF AC Filter x 6BAR	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.33mm(5 wires visible)
Material:	Carbon Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(10/8+3)mm
Welding Process :	FCAW / SAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	09 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : P/18/006 Drawing Number : YF 3004.170 Description : ID 1600 x 1525 SL Serial No : YF/18/0872								
CS2 YFW122/082	13 / 11	3	–	10 / 8	0 - 1	Inc	Reject	
CS2 YFW122/082	13 / 11	3	–	10 / 8	0 - 1	Inc	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 :	M.Zaffri - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division (187753-D)	Name:
Date:	10 April 2018		Date:

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Our Ref. : NT/103550/18-16

Report No: NDT/RT/180390-16/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Yuen Fee (Wan Soon) Eng. Sdn Bhd	Procedure No:	NT/RT/ASME REV 7.0
		IQI type :	ASTM 1B
Project :	T-402 B CF AC Filter x 6BAR	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0-3.5
		Sensitivity:	0.33mm(5 wires visible)
Material:	Carbon Steel	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(10/8+3)mm
Welding Process :	FCAW / SAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Section VIII Div 1 : 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	09 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Work Order : P/18/006 Drawing Number : YF 3004.170 Description : ID 1600 x 1525 SL Serial No : YF/18/0872								
CS1 YFW122/082	13 / 11	3	–	10 / 8	0 - 1	Inc	Reject	
CS1 YFW122/082	13 / 11	3	–	10 / 8	0 - 1	Uc / Por / Inc	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 :	M.Zaffri - NDT Lev. II	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	Name:	
Date:	10 April 2018	Date:	

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