



Our Ref. : NT/103275/18-04

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 Report No: NDT/RT/180222-01/18

## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client :	Tunas Asal Sdn. Bhd.	Procedure No:	NT/RT/ASME REV 6.0
Project :	GPS 6600 880/2017	IQI type :	ASME 1A
Material:	SA 240-316/316L To SA SA 240-316/316L	Film Manufacturer/Type :	FUJI 50(class I)
Welding Process :	GTAW / SMAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Section VIII Div.1 ; 2015	Source to Object Distance :	915mm
Examination Date:	20 March 2018	Source Side of Object to Film Distance:	(8/6+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 :	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)				
880/2017 SN-3503/2017 Vessel Purifier								
CW-1-S1 TASB - 947	11 / 9	3	-	8 / 6	0 - 1	Por / EP	Accept	
CW-1-S2 TASB - 947	11 / 9	3	-	8 / 6	0 - 1	NRI / EP	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 - ASNT Lev. II  
 Interpreted & Evaluated By: M.Nazib - ASNT Level II  
 Date: 21 March 2018



Client Representative:

Name:  
Date:



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## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client : Tunas Asal Sdn. Bhd. Project : GPS 6600 880/2017 Material: SA 240-316/316L To SA SA 240-316/316L Welding Process : GTAW / SMAW Examination Code : ASME V Acceptance Code: ASME Section VIII Div.1 ; 2015 Examination Date: 20 March 2018	Procedure No: NT/RT/ASME REV 6.0 IQI type : ASME 1A Film Manufacturer/Type : FUJI 50(class I) Density : 2.0 - 3.5 Sensitivity: 0.20mm(2 wires visible) Source to Object Distance : 915mm Source Side of Object to Film Distance: (8/6+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 : Film Side
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### Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
880/2017 SN-3504/2017 Vessel Purifier								
CW-1-S1 TASB - 947	11/9	3	-	8/6	0-1	NRI	Accept	
CW-1-S2 TASB - 947	11/9	3	-	8/6	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 - ASNT Lev. II  
 Interpreted & Evaluated By: M.Nazib - ASNT Level II  
 Date: 21 March 2018



Client Representative:  
 Name:  
 Date:



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## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client :	Tunas Asal Sdn. Bhd.	Procedure No:	NT/RT/ASME REV 6.0
Project :	GPS 6600 880/2017	IQI type :	ASME 1A
Material:	SA 240-316/316L To SA SA 240-316/316L	Film Manufacturer/Type :	FUJI 50(class I)
Welding Process :	GTAW / SMAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Section VIII Div.1 ; 2015	Source to Object Distance :	915mm
Examination Date:	20 March 2018	Source Side of Object to Film Distance:	(8/6+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 :	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
880/2017 SN-3506/2017 Vessel Purifier								
CW-1-S1 TASB - 947	11/9	3	-	8/6	0 - 1	NRI	Accept	
CW-1-S2 TASB - 947	11/9	3	-	8/6	0 - 1	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 - ASNT Lev. II  
 Interpreted & Evaluated By: M.Nazib - ASNT Level II  
 Date: 21 March 2018



Client Representative:  
 Name:  
 Date:



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## RADIOGRAPHIC EXAMINATION REPORT

### Client and Testing Particulars

Client :	Tunas Asal Sdn. Bhd.	Procedure No:	NT/RT/ASME REV 6.0
Project :	GPS 6600 880/2017	IQI type :	ASME 1A
Material:	SA 240-316/316L To SA SA 240-316/316L	Film Manufacturer/Type :	FUJI 50(class I)
Welding Process :	GTAW / SMAW	Density :	2.0 - 3.5
Examination Code :	ASME V	Sensitivity:	0.20mm(2 wires visible)
Acceptance Code:	ASME Section VIII Div.1 ; 2015	Source to Object Distance :	915mm
Examination Date:	20 March 2018	Source Side of Object to Film Distance:	(8/6+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 :	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
880/2017 SN-3505/2017 Vessel Purifier								
CW-1-S1 TASB - 947	11/9	3	-	8/6	0-1	LF	Reject	
CW-1-S2 TASB - 947	11/9	3	-	8/6	0-1	SI	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 - ASNT Lev. II

Interpreted & Evaluated By: M.Nazib - ASNT Level II

Date: 21 March 2018



Client Representative:

Name:

Date: