

Date: Jun/25/2018

Prepared for: Loren Rutherford Branch: Moncton

Sample Description: Weld Coupons - 5052

Welder ID Number: 5301

Standard/Specification: ASME IX: QW-160 Guided Bend Test

Test Results				
	Visual Examination of			
Sample ID	Weld	Location	Bend Test	Comments
1G	Pass	Face	Pass	
2G	Pass		Pass	
3G	Pass		Pass	
4G	Pass		Pass	
1G	Pass	Root	Pass	
2G	Pass		Pass	
3G	Pass		Pass	
4G	Pass		Pass	

**Test Findings** Coupons passed bend test for all positions.

**Recommendations** No recommendations needed.

	6 mm	
Test Preformed By:	per a	

Scott Gira

Test Date: Jun/25/2018

PRESUMPMENT INC.		Welding Performance Qualification (WPQ)		
Form Number:NEE-FRM-019	Page 1 of 1	Revision: 0		
Welders Name: <u>Loren</u> R WPS Used: <u>H-M BF - 1</u> Base Metal: <u>5052 - 7</u>	ther ford	Identification Number: <u>5301</u> Test Coupon: <u>16</u> Thickness: <u>17</u>		
Welding process Type of Welder Plate or Pipe Base Metal Filler Metal Spec Filler Metal Class Filler Metal Class Filler Metal Consumable Insert Filler Type Position/Progression Inert Gas Used Voltage Amperage Transfer Mode Welder Polarity Cleaning Type Welder and Welding Supervisor are accordance with requirements of See	ion IX of the ASME Code.	$\frac{9999}{6} \frac{9}{6} \frac{4}{5}$ $\frac{22-25}{230-260}$ $\frac{59544}{6} \frac{450}{2}$ $\frac{1}{2} \frac{1}{2} 1$		
Location: $\underline{\text{MEET}} - \underline{\text{Moncton}}  \underline{\text{MB}}$ $\underline{\text{Results of Bend Test}}  \underline{\text{Rass}}$ $\underline{\text{Visual Examination of Complete Weld:}}  \underline{\text{Root or Face}}$ $\underline{\text{Code:}}  \underline{\text{ASME TX}}  \underline{\text{Result:}}  \underline{\text{Rost}}  \underline{\text{Coss}}$ $\underline{\text{Visual Examination of Complete Weld:}}  \underline{\text{Rost}}  \underline{\text{Rost}}$				
Date: Jun/25/1018 Organization: National Energy Equipment Name: Musleulle Signature:				

P2 NATIONAL EQUIPMEN	ENERGY	Welding Performance Qualification (WPQ)	
Form Number:NEE-FRM-019	Page 1 of 1	Revision: 0	
Welders Name: <u>Loren</u> R. WPS Used: <u>A - MBH</u> Base Metal: <u>5052</u>	<u>- H32</u>	Identification Number: 5301 Test Coupon: 22 Thickness: 1/4 "	
Welding process Type of Welder Plate or Pipe Base Metal Filler Metal Spec Filler Metal Class Filler Metal Class Filler Metal Consumable Insert Filler Type Position /Progression Inert Gas Used Voltage Amperage Transfer Mode Welder Polarity Cleaning Type Welder and Welding Supervisor ar- accordance with requirements of So	99.99 % Ar 24 Auto Spray Arc DCRP Wire Brush eresponsible for the test coup ction IX of the ASME Code.	Range Values <u>GMAW</u> <u>Semi Auto</u> <u>Plate</u> <u>So52 - H32</u> <u>AWS-510</u> <u>ER-5356</u> <u>Aluminum</u> <u>W:se</u> <u>YUH</u> <u>Hosizontal (2G)/UH</u> <u>99,99 % Ac</u> <u>21-24</u> <u>205-220</u> <u>Sgray Arc</u> <u>DCRP</u> <u>Wire Brush</u> Signature: MMM	
Welding Supervisor: DEFER Lates Signature: Millit			
Results of Bend Test         Visual Examination of Complete Weld:       Pass         Type of Test:       Bend         Root of Eace       Pass         Code:       ASIME TX			
Visual Examination of Complete Weld: <u>Pass</u> Type of Test: <u>Benc</u> Rootfor Face Code: <u>ASME IX</u> Result: <u>Pass</u>			
Mechanical Test Preformed by: <u>Scott Gira</u> Signature:			
We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code.			
Date: Jun/25/2018 Organization: National Energy Equipment Name: Chine Cerulli Signature:			

PRINTIONAL ENERGY EQUIPMENT INC.		Welding Performance Qualification (WPQ)	
Form Number:NEE-FRM-019	Page 1 of 1	Revision: 0	
Welders Name: <u>Locen</u> Rut WPS Used: <u>A-MBV-1</u> Base Metal: <u>5052 - H32</u>	herford	Identification Number: <u>5301</u> Test Coupon: <u>3 G</u> Thickness: <u> </u>	
Plate or Pipe Base Metal Filler Metal Spec Filler Metal Class Filler Metal Consumable Insert	Actual Values CMAW Semi Auto Plate 5052 - H32 AWS 510 ER 53.56 Aluminum	Range Values <u>GMAW</u> <u>Semi Auto</u> <u>Plate</u> <u>5052-H32</u> <u>AWS 510</u> <u>ER 5356</u> <u>Aluminym</u>	
Voltage Amperage Transfer Mode <u>5</u> Welder Polarity Cleaning Type <u></u>	29,99 % Ar 22,5 Auto pray Arc DCRP Wire Brush	<u>GQ.Qq %A</u> r <u>21-24</u> <u>185-205</u> <u>Stray Arc</u> <u>DCR P</u> <u>Wire Brush</u> pons being prepared and welded in	
Accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Derek Lutes Signature: Welding Supervisor: NEEI-Moncton NB			
Visual Examination Type of Test: Code:	<u>Results of Benc</u> of Complete Weld: میرا	Root or Cace Result: 1255	
Type of Test: Code: <u>ASME</u> Mechanical Test Preformed by: <u>SCC</u>	IK Gira	Pass (Root dr Face Result: Pass Signature:	
Location: : <u>NEE Winnipeg</u> We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code.			
Date: Jup/25/2018 Name: <u>MVIS Cerulfi</u>	Organiz	ration: National Epergy Equipment	

PRINCE NATIONAL ENERGY EQUIPMENT INC.	Welding Performance Qualification (WPQ)		
Form Number:NEE-FRM-019 Page 1	of 1 Revision: 0		
Welders Name: Loren Ruther Ford WPS Used: <u>A-MBO-</u> Base Metal: <u>5052-H32</u>	Identification Number: <u>5301</u> Test Coupon: <u>42</u> Thickness: <u>14</u>		
Actual ValuesWelding process $G_{M} A W$ Type of WelderSemi AwdPlate or Pipe $Plate$ Base Metal $5052 - H$ Filler Metal Spec $Aws - 5H$ Filler Metal Class $ER 535G$ Filler Metal $Aluminu \mu$ Consumable Insert $Filler Type$ Wire $Wire$ Position /Progression $Owerhead$ ( $W$ Inert Gas Used $GG.ag.ag.ag$ Voltage $24$ Amperage $Aut + a$ Transfer Mode $Gray A H$ Welder Polarity $DCR P$ Cleaning Type $Wire Brus S$	<u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u> <u>Compton</u>		
welding Supervisor: <u>Derek Lifes</u> Location: <u>NEET-Monchen</u> WB	Code. Signature:		
Results of Bend Test         Visual Examination of Complete Weld:       Pass         Type of Test:       Bend         Code:       ASMETX         Result:       Pass         Visual Examination of Complete Weld:       Pass         Visual Examination of Complete Weld:       Pass         Type of Test:       Bend         Roof or Face       Roof or Face         Code:       ASMETX			
Mechanical Test Preformed by: Scott Gia Signature: Signature: Signature: Mechanical Test Preformed by: Scott Gia Signature: Signatur			
	ganization: National Grengy Equippacent		