

**MECHANICAL TEST REPORT**

Customer: National Energy Equipment Inc.  
Address: 17107 118 Ave NW  
Edmonton, AB T5S 2V3

Laboratory Test No.: MT148-19-001A-1  
Report Date: August 01, 2019  
Sample Log I.D.: M.T  
Test Reference No.: Steve Hnatiw (ID No. 9098) - 2G

Attention: Arash Navidan

Material Specification: SB-209 Alloy 5052 to SB-209 Alloy 5052  
Nominal Thickness: 0.250 in. to 0.250 in.

Product Form(s): Plate to Plate  
Condition: As Welded

Specimen Preparation: Tensile & Bend specimens prepared as per ASME Section IX 2017 Edition.

Test Specification: ASME Section IX 2017 Edition

Test Locations: Test locations for specimens as per ASME Section IX 2017 Edition.

Test Equipment: Lixian Universal Testing Machine

Model No.: HZ-003

Serial No.: 160407006

Test Equipment: Pneumatic Ram with Guided-Bend Roller Jig & Mandrel matching ASME Section IX requirements

Model No.: -----

Serial No.: -----

**BEND TEST QW-160**

Sample Identification:	M.T-B1	M.T-B2	M.T-B3	M.T-B4
*Type of Bend Test:	TFB	TRB	-----	-----
Plunger O.D. - mm:	25.4	25.4	-----	-----
Pass / Fail:	Pass	Pass	-----	-----
Remarks:	-----	-----	-----	-----

Type of Bend Test: TSB, TFB, TRB = Transverse Side, Face, or Root Bend

LSB, LFB, LRB = Longitudonal Side, Face, or Root Bend

TEST RESULTS CERTIFIED BY: Eric Lepine ON Aug-01-2019 BY QUALITEST CANADA LTD.  
Eric Lepine, P.Eng.

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**MECHANICAL TEST REPORT**

Customer: National Energy Equipment Inc.  
Address: 17107 118 Ave NW  
Edmonton, AB T5S 2V3

Laboratory Test No.: MT148-19-001A-2  
Report Date: August 01, 2019  
Sample Log I.D.: M.T  
Test Reference No.: Steve Hnatiw (ID No. 9098) - 3GU

Attention: Arash Navidan

Material Specification: SB-209 Alloy 5052 to SB-209 Alloy 5052  
Nominal Thickness: 0.250 in. to 0.250 in.

Product Form(s): Plate to Plate  
Condition: As Welded

Specimen Preparation: Tensile & Bend specimens prepared as per ASME Section IX 2017 Edition.

Test Specification: ASME Section IX 2017 Edition

Test Locations: Test locations for specimens as per ASME Section IX 2017 Edition.

Test Equipment: Lixian Universal Testing Machine

Model No.: HZ-003

Serial No.: 160407006

Test Equipment: Pneumatic Ram with Guided-Bend Roller Jig & Mandrel matching ASME Section IX requirements

Model No.: -----

Serial No.: -----

**BEND TEST QW-160**

Sample Identification:	M.T-B1	M.T-B2	M.T-B3	M.T-B4
*Type of Bend Test:	TFB	TRB	-----	-----
Plunger O.D. - mm:	25.4	25.4	-----	-----
Pass / Fail:	Pass	Pass	-----	-----
Remarks:	-----	-----	-----	-----

Type of Bend Test: TSB, TFB, TRB = Transverse Side, Face, or Root Bend

LSB, LFB, LRB = Longitudonal Side, Face, or Root Bend

TEST RESULTS CERTIFIED BY: Eric Lepine ON Aug-01-2019 BY QUALITEST CANADA LTD.  
Eric Lepine, P.Eng.

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**MECHANICAL TEST REPORT**

Customer: National Energy Equipment Inc.  
Address: 17107 118 Ave NW  
Edmonton, AB T5S 2V3

Laboratory Test No.: MT148-19-001A-3  
Report Date: August 07, 2019  
Sample Log I.D.: M.U  
Test Reference No.: Steve Hnatiw (ID No. 9098) - 4G

Attention: Arash Navidan

Material Specification: SB-209 Alloy 5052 to SB-209 Alloy 5052  
Nominal Thickness: 0.250 in. to 0.250 in.

Product Form(s): Plate to Plate  
Condition: As Welded

Specimen Preparation: Tensile & Bend specimens prepared as per ASME Section IX 2017 Edition.

Test Specification: ASME Section IX 2017 Edition

Test Locations: Test locations for specimens as per ASME Section IX 2017 Edition.

Test Equipment: Lixian Universal Testing Machine

Model No.: HZ-003

Serial No.: 160407006

Test Equipment: Pneumatic Ram with Guided-Bend Roller Jig & Mandrel matching ASME Section IX requirements

Model No.: -----

Serial No.: -----

**BEND TEST QW-160**

Sample Identification:	M.U-B1	M.U-B2	M.U-B3	M.U-B4
*Type of Bend Test:	TFB	TRB	-----	-----
Plunger O.D. - mm:	25.4	25.4	-----	-----
Pass / Fail:	Pass	Pass	-----	-----
Remarks:	Broke Open	-----	-----	-----

Type of Bend Test: TSB, TFB, TRB = Transverse Side, Face, or Root Bend

LSB, LFB, LRB = Longitudonal Side, Face, or Root Bend

TEST RESULTS CERTIFIED BY: Eric Lepine ON Aug-07-2019 BY QUALITEST CANADA LTD.  
Eric Lepine, P.Eng.

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