<u>Fire Test Report</u> <u>API Standard 6FB, Third Edition</u> <u>Offshore – Non-Bending</u>

Performed for

Flexitallic Ltd.

www.flexitallic.eu

Flexitallic Spiral Wound Gasket

Thermiculite 835 6 inch Class 300

Project Number: 212098 June 25, 2012

Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

434 Walnut Hill Road North Yarmouth, ME 04097 USA (207) 829-5359 <u>info@yarmouthresearch.com</u> <u>www.yarmouthresearch.com</u>

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Customer: Flexitallic Ltd. **Date:** 6/25/2012 **Product Code:** 6 inch Class 300 Spiral-Wound Gasket Thermiculite TH835 Inconel bolting per BS1768 (Alloy 718, ASTM B637) 270 ft-lb bolt torque. PN212098 **Project Number:** API 6FB, Third Edition, Nov. 1998 **Specification:** Part II, Offshore, Non-Bending Seal Area OD: **Seal Area ID:** 8.25 7.10inches **Mean Seal Diameter:** 7.68inches **Mean Circumference:** 24.1inches Allowable Leakage: 24.1ml/min **Nominal Test Pressure:** 555psig **YRT Technician:** Matthew J. Wasielewski, P.E. Version of YRT's FIRE-Control 6FB Software: A Equipment Confirmed to be in Calibration to NIST Standards: Yes Burn and Cool Down Test Burn Start Time: 11:35:00 Burn / Cooldown Duration: 60 minutes Average Pressure During Burn/Cooldown: 566 psig Leak Rate During Burn/Cool Down: 0.7ml/min Allowable External Leak Rate: 24.1ml/min Time that Cal. Block > 1800 deg.: 21.8minutes Were Test Conditions Within Compliance? Yes Was the Leakage Below the Allowable? Yes **Depressurization - Repressurization Test** Average Pressure During Test: 555psigGasket Leak Rate: 0 ml/min Allowable External Leak Rate: 24.1ml/min Was the Leakage Below the Allowable? Yes **Does the Gasket Pass or Fail API 6FB?** PASS Witnesses MATTHEW Mart Q Waielash J WASIELEWSKI No. 7437 Note:

API 6FB FIRE TEST REPORT

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