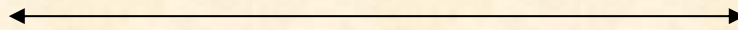


**Fire Test Report**  
**API Standard 6FB, Third Edition**

*Performed for*

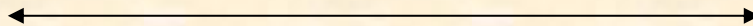
**Flexitallic Ltd.**

[www.flexitallic.com](http://www.flexitallic.com)



**6 inch Class 300**  
**SF 5000 Gasket**

Project Number: 213343  
Test Date: January 29, 2014



*Performed by*

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**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

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North Yarmouth, ME 04097 USA  
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[www.yarmouthresearch.com](http://www.yarmouthresearch.com)

# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

|  |   |                      |             |
|--|---|----------------------|-------------|
| <b>Customer:</b>   | Flexitallic Ltd.  | <b>Date:</b>         | 1/29/2014   |
| <b>Project Number:</b>   | PN213343  |                      |             |
| <b>Product Code:</b>   | 6 inch Class 300 SF 5000 Gasket<br>.059 inch thickness          |                      |             |
| <b>Specification:</b>  | API 6FB, Third Edition, Nov. 1998<br>Non-Bending, On-shore Test |                      |             |
| <b>Seal Area OD:</b>   | 8.50  | <b>Seal Area ID:</b> | 6.63 inches |
| <b>Mean Seal Diameter:</b>   | 7.56  |                      | inches      |
| <b>Mean Circumference:</b>   | 23.8  |                      | inches      |
| <b>Allowable Leakage:</b>  | 23.8  |                      | ml/min      |
| <b>Nominal Test Pressure:</b>  | 555   |                      | psig        |
| <b>YRT Technician:</b>   | Matthew J. Wasielewski, P.E.                                    |                      |             |
| <b>Version of YRT's FIRE-Control 6FB Software: A</b>                   |   |                      |             |
| <b>Equipment Confirmed to be in Calibration to NIST Standards: Yes</b> |   |                      |             |

### *Burn and Cool Down Test*

|  |          |         |
|--|----------|---------|
| Burn Start Time:                               | 13:31:00 |         |
| Burn / Cooldown Duration:                      | 60       | minutes |
| Average Pressure During Burn/Cooldown:         | 557      | psig    |
| Leak Rate During Burn/Cool Down:               | 0.0      | ml/min  |
| Allowable External Leak Rate:                  | 23.8     | ml/min  |
| Amount of Time of Avg. Cal. Block > 1200 deg.: | 20.3     | minutes |
| Were Test Conditions Within Compliance?        | Yes      |         |
| Was the Leakage Below the Allowable?           | Yes      |         |

### *Depressurization - Re-pressurization Test*

|                                      |      |        |
|--------------------------------------|------|--------|
| Average Pressure During Test:        | 547  | psig   |
| Gasket Leak Rate:                    | 0.0  | ml/min |
| Allowable External Leak Rate:        | 23.8 | ml/min |
| Was the Leakage Below the Allowable? | Yes  |        |

|  |             |
|--|-------------|
| <b>Does the Gasket Pass or Fail API 6FB?</b> | <b>PASS</b> |
|--|-------------|

*Certified By*



Matthew Wasielewski, PE  
President and Manager  
Yarmouth Research and Technology, LLC

