

API Standard 607 Fourth Edition
Fire Test Report

Performed for

Flexitallic L.P.
6915 Highway 225
Deer Park, TX 77536-2414
USA

www.flexitallic.com



TH715
6 inch Class 300 Gaskets
Project Number: 20466
July 2004



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY

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API 607 4th Edition Fire Test Data

| | |
|--|----------------------|
| Customer: Flexitallic | Date: 7/28/2004 |
| Project Number: PN20466 | |
| Specification: API 607 4th Edition | |
| Product Code: TH715 | |
| Flange Mfgr: Weldbend | Nut Mfgr: Shih Hsang |
| Bolt Mfgr: Alloy & Stainless Fasteners VA | |
| Comments: New bolts/nuts, Used but good condition flanges. | |
| YRT Technician: Matthew J. Wasielewski, P.E. | |

Bolt Torques (ft-lbs)

| Bolt Location | At Start of Test | At End of Test |
|---------------|------------------|----------------|
| Upstream #1 | 200 | 100 |
| Upstream #2 | 200 | 80 |
| Upstream #3 | 200 | 80 |
| Upstream #4 | 200 | 100 |
| Downstream #1 | 200 | 80 |
| Downstream #2 | 200 | 80 |
| Downstream #3 | 200 | 90 |
| Downstream #4 | 200 | 100 |

Fire and Cooldown Data:

| | | |
|-------------------------------------|---------|--------|
| Start Time: | 2:36 PM | (EST) |
| Average Test Pressure: | 29.6 | psig |
| Combined Leak Rate of Both Gaskets: | 0.3 | ml/min |
| Allowable Leakage: | 150 | ml/min |
| Is Leakage Below Allowable?: | YES | |

Post Burn Leakage Test

| | | |
|-------------------------------------|---------|--------|
| Start Time: | 3:16 PM | (EST) |
| Average Test Pressure: | 30.0 | psig |
| Leak Rate Side A: | 0.4 | ml/min |
| Leak Rate Side B: | 3.6 | ml/min |
| Combined Leak Rate of Both Gaskets: | 4.0 | ml/min |
| Allowable Leakage: | 150 | ml/min |
| Is Leakage Below Allowable?: | YES | |

| | |
|---|-----|
| Does Gasket Pass API 607 Leakage Requirements?: | YES |
|---|-----|

Witnesses

