

API Standard 607 Fourth Edition
Fire Test Report

Performed for

SGL Carbon Group
www.sgcarbon.de



Sigraflex Universal Pro with Inner Eyelet
6 inch Class 300 Gaskets
Project Number: 20557
July 2005



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY

92 East Elm Street
Yarmouth, ME 04096 USA
(207) 829-5359
yrtlab@maine.rr.com
www.yarmouthresearch.com

Yarmouth Research and Technology

API 607 4th Edition Fire Test Data

| | |
|--|------------------------|
| Customer: SGL Carbon Group | Date: 7/14/2005 |
| Project Number: PN20557 | |
| Specification: API 607 4th Edition | |
| Product Code: Sigraflex Universal Pro with Inner Eyelet | |
| Flange Mfgr: Weldbend | |
| Nut +Bolt Mfgr: Alloy & Stainless Fasteners VA | |
| Comments: New bolts, nuts and 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 | 160 |
| Upstream #2 | 200 | 180 |
| Upstream #3 | 200 | 140 |
| Upstream #4 | 200 | 160 |
| Downstream #1 | 200 | 160 |
| Downstream #2 | 200 | 160 |
| Downstream #3 | 200 | 180 |
| Downstream #4 | 200 | 140 |

Fire and Cooldown Data:

| | | |
|-------------------------------------|------------|--------|
| Start Time: | 10:33 AM | (EST) |
| Average Test Pressure: | 30.9 | psig |
| Combined Leak Rate of Both Gaskets: | 0 | ml/min |
| Allowable Leakage: | 150 | ml/min |
| Is Leakage Below Allowable?: | YES | |

Post Burn Leakage Test

| | | |
|-------------------------------------|------------|--------|
| Start Time: | 11:13 AM | (EST) |
| Average Test Pressure: | 29.9 | psig |
| Leak Rate Side A: | 0 | ml/min |
| Leak Rate Side B: | 0 | ml/min |
| Combined Leak Rate of Both Gaskets: | 0 | ml/min |
| Allowable Leakage: | 150 | ml/min |
| Is Leakage Below Allowable?: | YES | |

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

Witnesses

Matthew J. Wasielewski

