

Fire Test Report

API Standard 6FB, Fourth Edition, 2019

Performed for

Durlon

www.durlon.com



6 inch Class 300 Durlon SWG DRI - ETG

Project Number: 221336

Test Date: November 11, 2021



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

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Yarmouth Research and Technology, LLC

API 6FB FIRE TEST REPORT

Customer: Durlon

Date: 11/11/2021

Project Number: 221336

Product Description: 6 inch Class 300 Durlon SWG DRI - ETG

Product Code: 8670600CBCC

Specification: API 6FB, Fourth Edition, 2019

Non-Bending, Type 1 Test

| | | |
|------------------------|-------|----------------------------|
| Gasket Thickness: | 0.190 | inches |
| Seal Area OD: | 8.500 | Seal Area ID: 7.438 inches |
| Mean Seal Diameter: | 7.969 | inches |
| Mean Circumference: | 25.0 | inches |
| Allowable Leakage: | 25.0 | ml/min |
| Nominal Test Pressure: | 555 | psig |
| Nut Torque: | 270 | ft-lb |

YRT Technician: Dean Frank

Version of YRT's FIRE-Control 6FB Software: B

Equipment Confirmed to be in Calibration to NIST Standards: Yes

Burn and Cool Down Test

| | | |
|--|----------|---------|
| Burn Start Time: | 10:15:00 | |
| Burn / Cooldown Duration: | 60 | minutes |
| Average Pressure During Burn/Cooldown: | 566 | psig |
| Leak Rate During Burn/Cool Down: | 1.3 | ml/min |
| Allowable External Leak Rate: | 25.0 | ml/min |
| Amount of Time of Avg. Cal. Block > 1200 deg.: | 19.0 | minutes |
| Were Test Conditions Within Compliance? | Yes | |
| Was the Leakage Below the Allowable? | Yes | |

Depressurization - Repressurization Test

| | | |
|---------------------------------------|------|--------|
| Average Pressure During Test: | 555 | psig |
| Gasket Leak Rate: | 0 | ml/min |
| Allowable External Leak Rate: | 25.0 | ml/min |
| Was the Leakage Below the Allowable? | Yes | |
| Does the Gasket Pass or Fail API 6FB? | PASS | |

Certified By:



Matthew J. Wasielewski, PE

President and Manager

Yarmouth Research and Technology, LLC

