

## **Fire Test Report**

ANSI/API Standard 607, 7th Edition, 2016

ISO 10497: 2010

API Standard 6FA, Third Edition, April 1999

*Performed for*

**MOGAS Industries, Inc.**

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



2 inch Class 150 ISOLATOR 2.0  
Floating Ball Valve  
Valve Code: ISOLATOR 2.0 2" 150#

Project Number: 217143

Test Date: May 15, 2018



*Performed by*

**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

434 Walnut Hill Road  
North Yarmouth, ME 04097 USA  
(207) 829-5359

[info@yarmouthresearch.com](mailto:info@yarmouthresearch.com)

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

## Yarmouth Research and Technology, LLC

**Customer:** MOGAS INDUSTRIES

**Date:** 5/15/2018

**Specifications:** ANSI/API Standard 607, Seventh Edition, 2016 ISO 10497: 2010

API Standard 6FA, Third Edition, April 1999 (R2008)

**Product Description:** 2" Class 150 ISOLATOR 2.0 Floating Ball Valve

**Valve Code:** ISOLATOR 2.0 2" 150#

**Project Number:** 217143

**Equipment Confirmed to be in Calibration to NIST Standards:** Yes

### ***Burn and Cool Down Test***

Burn Start Time:	7:14:00	
Average Pressure During Burn:	213	psig
Seat Leak Rate During Burn:	0	ml/min
Allowable Seat Leak Rate:	800	ml/min
External Leak Rate During Burn/Cool Down:	0	ml/min
Allowable External Leak Rate:	200	ml/min
Amount of Time of Avg. Cal. Blocks > 650 deg. C:	20.8	minutes
Were Test Conditions Within Compliance?	Yes	
Were the Valve Leakages Below the Allowables?	Yes	

### ***Post-Burn Seat Test- 6FA 3rd Edition***

Average Pressure During Test:	31	psig
Seat Leak Rate:	0	ml/min
Allowable Seat Leak Rate:	120	ml/min
External Leak Rate:	0	ml/min
Allowable External Leak Rate:	60	ml/min
Was the Leakage Below the Allowable?	Yes	

### ***Post-Burn Seat Test- 607 7th Edition***

Average Pressure During Test:	31	psig
Seat Leak Rate:	0	ml/min
Allowable Seat Leak Rate:	80	ml/min
Was the Leakage Below the Allowable?	Yes	

### ***Operational Test***

Average Pressure During Test:	213	psig
External Leak Rate After Operating:	0	ml/min
API 607 7th Edition Allowable External Leak Rate:	50	ml/min
API 6FA 3rd Edition Allowable External Leak Rate:	400	ml/min
Was the Leakage Below the Allowables?	Yes	
<b>Does Valve Pass or Fail the Test Standards?</b>	<b>PASS</b>	

**Certified by**



Matthew J. Wasielewski, PE

President and Manager

Yarmouth Research and Technology, LLC

