

## **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)



8 inch Class 300 C-Series Floating Ball Valve  
Valve Code: 8" 300 CA-1AS

Project Number: 217143

Test Date: May 14, 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, Inc.

**Date:** 5/14/2018

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

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

**Product Description:** 8" Class 300 C-Series Floating Ball Valve

**Valve Code:** 8" 300 CA-1AS

**Project Number:** 217143

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

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

Burn Start Time:	14:04:00	
Average Pressure During Burn:	551	psig
Seat Leak Rate During Burn:	0	ml/min
Allowable Seat Leak Rate:	3200	ml/min
External Leak Rate During Burn/Cool Down:	0	ml/min
Allowable External Leak Rate:	800	ml/min
Amount of Time of Avg. Cal. Blocks > 650 deg. C:	18.0	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:	51	psig
Seat Leak Rate:	0	ml/min
Allowable Seat Leak Rate:	320	ml/min
External Leak Rate:	0	ml/min
Allowable External Leak Rate:	160	ml/min
Was the Leakage Below the Allowable?	Yes	

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

Average Pressure During Test:	30	psig
Seat Leak Rate:	0	ml/min
Allowable Seat Leak Rate:	320	ml/min
Was the Leakage Below the Allowable?	Yes	

### ***Operational Test***

Average Pressure During Test:	549	psig
External Leak Rate After Operating:	0	ml/min
API 607 7th Edition Allowable External Leak Rate:	200	ml/min
API 6FA 3rd Edition Allowable External Leak Rate:	1600	ml/min
Was the Leakage Below the Allowables?	Yes	
Does Valve Pass or Fail the Test Standards?	PASS	

**Certified by**



Matthew J. Wasielewski, PE

President and Manager

Yarmouth Research and Technology, LLC

