

## **Fire Test Report**

**ANSI/API Standard 607, 7th Edition, 2016**

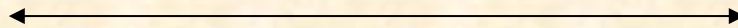
**ISO 10497: 2010**

**API Standard 6FA, Fifth Edition, May 2020**

*Performed for*

**MOGAS Industries**

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



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

Project Number: 222043

Test Date: May 2, 2022

*Performed by*

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**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

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# Yarmouth Research and Technology, LLC

**Customer:** MOGAS Industries

**Date:** 5/2/2022

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

API Standard 6FA, Fifth Edition, May 2020

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

**Project Number:** 222043

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

***Burn and Cool Down Test***

Burn Start Time:	10:22:00	
Average Pressure During Burn:	543	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:	17.3	minutes
Were Test Conditions Within Compliance?	Yes	
Were the Valve Leakages Below the Allowables?	Yes	

***Post-Burn Seat Test- 6FA 5th 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:	535	psig
External Leak Rate After Operating:	9.4	ml/min
API 607 7th Edition Allowable External Leak Rate:	200	ml/min
API 6FA 5th Edition Allowable External Leak Rate:	1600	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

