

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



3 inch Class 300 C-Series Floating Ball Valve
Valve Code: 3" 300 CA-1AS

Project Number: 217143

Test Date: May 15, 2018



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

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Yarmouth Research and Technology, LLC

Customer: MOGAS Industries, Inc.

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: 3" Class 300 C-Series Floating Ball Valve

Valve Code: 3" 300 CA-1AS

Project Number: 217143

Equipment Confirmed to be in Calibration to NIST Standards: Yes

Burn and Cool Down Test

Burn Start Time:	12:26:00	
Average Pressure During Burn:	547	psig
Seat Leak Rate During Burn:	17	ml/min
API 607 7th Edition Allowable Seat Leak Rate:	1280	ml/min
API 6FA 3rd Edition Allowable Seat Leak Rate:	1200	ml/min
External Leak Rate During Burn/Cool Down:	1.8	ml/min
API 607 7th Edition Allowable External Leak Rate:	320	ml/min
API 6FA 3rd Edition Allowable External Leak Rate:	300	ml/min
Amount of Time of Avg. Cal. Blocks > 650 deg. C:	18.8	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:	50	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:	30	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:	544	psig
External Leak Rate After Operating:	0	ml/min
API 607 7th Edition Allowable External Leak Rate:	80	ml/min
API 6FA 3rd Edition Allowable External Leak Rate:	600	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

