

**Fire Test Report**  
**API Standard 6FA, Third Edition**

*Performed for*

**Mogas Industries**

<http://www.mogas.com/>



5 1/8 inch 10000 psi  
API 6A Floating Ball Valve

Project Number: 212191  
Test Date: October 24, 2012

*Performed by*

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**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

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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:** 10/24/2012

**Specification:** API Standard 6FA, Third Edition, April 1999 (2008)

"Specification for Fire Testing of Valves"

**Product Description:** 5 1/8 inch 10000 psi API 6A Floating Ball Valve

**Project Number:** PN212191

**Nom. Test Pressure:** 7500 psig

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

***Burn and Cool Down Test***

Burn Start Time:	10:10:00	
Average Pressure During Burn:	7516	psig
Seat Leak Rate During Burn:	0	ml/min
Allowable Seat Leak Rate:	2050	ml/min
External Leak Rate During Burn/Cool Down:	0.1	ml/min
Allowable External Leak Rate:	513	ml/min
Amount of Time of Avg. Cal. Blocks > 650 deg. C:	25.0	minutes
Were Test Conditions Within Compliance?	Yes	
Were the Valve Leakages Below the Allowables?	Yes	

***Operational Test***

Did Valve Unseat and Open Fully?:	Yes	
Average Pressure During Test:	7470	psig
External Leak Rate After Operating:	0	ml/min
Allowable External Leak Rate:	1025	ml/min
Was the Leakage Below the Allowable?	Yes	

Does Valve Pass or Fail the Test Standard?	PASS
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*Witnesses*



Matthew Wasielewski, PE  
President, Yarmouth Research

