

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

*Performed for*

**Mogas Industries**

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



2 1/16 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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# 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: 2 1/16 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:	13:42:00	
Average Pressure During Burn:	7428	psig
Seat Leak Rate During Burn:	11	ml/min
Allowable Seat Leak Rate:	825	ml/min
External Leak Rate During Burn/Cool Down:	0.1	ml/min
Allowable External Leak Rate:	206	ml/min
Amount of Time of Avg. Cal. Blocks > 650 deg. C:	22.8	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:	7592	psig
External Leak Rate After Operating:	0	ml/min
Allowable External Leak Rate:	413	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

