

## **Fire Test Report**

ANSI/API Standard 607, 7th Edition, 2016

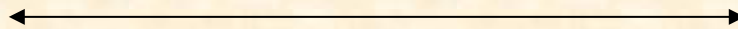
ISO 10497: 2010

API Standard 6FA, Fifth Edition, May 2020

*Performed for*

**MOGAS Industries, Inc.**

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



8 inch Class 600 T-Series  
Valve Code: T-Series

Project Number: 220228  
Test Date: August 6, 2020

*Performed by*

**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

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## Yarmouth Research and Technology, LLC

<b>Customer:</b> MOGAS Industries, Inc.	<b>Date:</b> 8/6/2020
<b>Specifications:</b> ANSI/API Standard 607, Seventh Edition, 2016 ISO 10497: 2010	
API Standard 6FA, Fifth Edition, May 2020	
<b>Product Description:</b> 8" 600# T-Series	
<b>Project Number:</b> 220228	
<b>Equipment Confirmed to be in Calibration to NIST Standards:</b> Yes	

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

Burn Start Time:	8:03:00	
Average Pressure During Burn:	1109	psig
Seat Leak Rate During Burn:	0	ml/min
Allowable Seat Leak Rate:	3200	ml/min
External Leak Rate During Burn/Cool Down:	1.3	ml/min
Allowable External Leak Rate:	800	ml/min
Amount of Time of Avg. Cal. Blocks > 650 deg. C:	16.8	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:	106	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:	31	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:	1143	psig
External Leak Rate After Operating:	0	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	
Does Valve Pass or Fail the Test Standards?	PASS	

Certified by



Matthew J. Wasielewski, PE  
President and Manager  
Yarmouth Research and Technology, LLC

