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

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

Customer: MOGAS Industries, Inc.	**Date:** 8/6/2020
Specifications: ANSI/API Standard 607, Seventh Edition, 2016 ISO 10497: 2010	
API Standard 6FA, Fifth Edition, May 2020	
Product Description: 8" 600# T-Series	
Project Number: 220228	

Equipment Confirmed to be in Calibration to NIST Standards: 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