

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



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

Project Number: 220228
Test Date: August 5, 2020

Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

434 Walnut Hill Road
North Yarmouth, ME 04097 USA
(207) 829-5359

info@yarmouthresearch.com
www.yarmouthresearch.com

Yarmouth Research and Technology, LLC

Customer: Mogas Industries, Inc.

Date: 8/5/2020

Specifications: ANSI/API Standard 607, Seventh Edition, 2016 ISO 10497: 2010

API Standard 6FA, Fifth Edition, May 2020

Product Description: 3" 600# T-Series

Project Number: 220228

Equipment Confirmed to be in Calibration to NIST Standards: Yes

Burn and Cool Down Test

Burn Start Time:	11:31:00	
Average Pressure During Burn:	1135	psig
Seat Leak Rate During Burn:	0	ml/min
API 607 7th Edition Allowable Seat Leak Rate:	1280	ml/min
API 6FA 5th Edition Allowable Seat Leak Rate:	1200	ml/min
External Leak Rate During Burn/Cool Down:	0.5	ml/min
API 607 7th Edition Allowable External Leak Rate:	320	ml/min
API 6FA 5th Edition Allowable External Leak Rate:	300	ml/min
Amount of Time of Avg. Cal. Blocks > 650 deg. C:	21.8	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:	107	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:	128	ml/min
Was the Leakage Below the Allowable?	Yes	

Operational Test

Average Pressure During Test:	1097	psig
External Leak Rate After Operating:	0	ml/min
API 607 7th Edition Allowable External Leak Rate:	80	ml/min
API 6FA 5th Edition Allowable External Leak Rate:	600	ml/min
Was the Leakage Below the Allowables?	Yes	

Does Valve Pass or Fail the Test Standards?	PASS
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Certified by



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

