Fugitive Emissions Test Report
API Standard 641, First Edition, October 2016

*All units of measure shall be specified

API Std. 641 Fugitive Emissions Testing Report Number: ESP118-2

Valve Information

Manufacturer:	ValvTechnologies
Manufacturing Facility (Location):	5904 Bingle Rd. Houston, Texas 77092
Valve Size and Class:	8" ANSI 1500
Valve Model Number:	V8C1-JJ-XX-B080-001AA-001
API/ASME Design Standard(s):	ASME B16.34
Valve Type:	Ball Valve

Valve Stem Seal Information

Number of Rings:	5 Rings	Stem Seal Description:	Chesterton 1622
OD:	4.255" / 4.250"	Manufacturer:	Chesterton
ID:	4.021" / 4.016"	Model/Type:	1622
Stack Height:	N/A	Minimum Sealing stress:	4,500 psi
Stem Seal Chamber Depth:	1.000" / 0.980"	Other Stem Seal Materials:	N/A

Valve Materials

Body:	A105
Stem:	A29 Gr. 4130
Body Seal:	SB-637 Alloy N07718/PT24

Valve Selection (Check One)

☑ Manufacturer ☐ Purchaser

☐ Distributor ☐ Other:_____

Date Selected: 02-11-2019

Personnel

Qualification Facility: ValvTechnologies

Test Technician: Floyd Cruz

Third Party (if applicable): Adeola Owopetu

Start Date: 04-30-2019 End Date: 05-09-2019

Manufacturer Published Torque Values

Running Torque:	25,000 in-lb
Closing Torque:	25,000 in-lb
Packing Torque:	225-204 in-lb

Pretest Preparations and Adjustments (see API 641 ed. 1 October 2016, Section 6)

See Test Form A-TF-202-203

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API 641 - TESTING DATA

Test Segment	Cycle Count	Temperature @ TC-1 (Fahrenheit)	Temperature @ TC-2 (Fahrenheit)	Static Leak Measurement	Dynamic Leak Measurement	Pressure Boundary Leak Measurement (specify location)
Pa= 600 psi	0	81	81	20 PPM	N/A	0 PPM
Ta= Ambient	100	84	84	0 PPM	0 PPM	N/A
Pe= 600 psi	101	477	513	25 PPM	N/A	N/A
Te= 500 F	200	479	513	15 PPM	5 PPM	N/A
Pa= 600 psi	201	109	111	0 PPM	N/A	N/A
Ta= Ambient	300	105	104	5 PPM	0 PPM	N/A
Pe= 600 psi	301	475	517	10 PPM	N/A	N/A
Te= 500 F	400	481	517	0 PPM	5 PPM	N/A
Pa= 600 psi	401	111	112	0 PPM	N/A	N/A
Ta= Ambient	500	113	111	30 PPM	30 PPM	N/A
Pe= 600 psi	501	475	524	5 PPM	N/A	N/A
Te= 500 F	600	481	522	50 PPM	55 PPM	N/A
Pa= 600 psi	601	104	104	5 PPM	N/A	N/A
Ta= Ambient	610	103	103	60 PPM	55 PPM	0 PPM

Torque Measurements

Running Torque (During First Mechanical Cycle)	21,870 in-lb
Running Torque (During Last Mechanical Cycle)	31,914 in-lb

Additional Data

Average Cycle Time:	2min, 30 seconds
Packing Gland Torque: Before Disassembly	218 in-lb

Qualification Facility Representative:

Company: ValvTechnologies

Test Technician: Floyd Cruz

Signature:

Date: 5-14-2019

Final Test Results

☑ PASS ☐ FAIL

Third-Party Witness (if applicable)

Company: Qualispect, Inc.

3rd Party Name: Adeola Owopetu

Signature:

Date: 05/14/2019

Qualispect, Inc.
☑ Witness ☐ Review
Date: 05/14/2019
Signature:

Notes