Fugitive Emission Test Report

VDI 2440

Performed for

Glasspack

www.glasspack.com.ar

4 inch Class 300 Kammprofile Gasket

Project Number: 222294
Test Start Date: April 26, 2023

Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

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Yarmouth Research and Technology, LLC

Customer:	Glasspack				
Project Number:	222294			Test Start Date:	26-Apr-23
Packing Description:	4 inch Class 300 Kammprofile Gasket				
Test Medium:	Helium				
Inside Sealing Diameter:	4.875	inches	Circumference:	0.39	meter
Outside Sealing Diameter:	6.115	inches	Circumference:	0.49	meter
Calculated Area:	10.703	in^2	Mean Circumference	0.44	meter
Compression Required:	70	Mpa	=	10150	psi
# of Bolts:	8	Size:	0.750	Calc'd bolt load:	13580
Calc'd Torque:	170	ft-lb			
Test Temperature:	200	C	Test Pressure:	1	bar

Maximum Allowable Leakage:

10-4 mbar-l/sec per mean seal circumference (m) for <= 250C

10-2 mbar-l/sec per mean seal circumference (m) for > 250C

4.38E-05 mbar-l/sec

Procedure: Leakage readings of the flange/gasket assembly were made by the vacuum method. Leakage readings were performed at ambient temperature at the start, after heating to 200C for 48 hours.

Test Results:

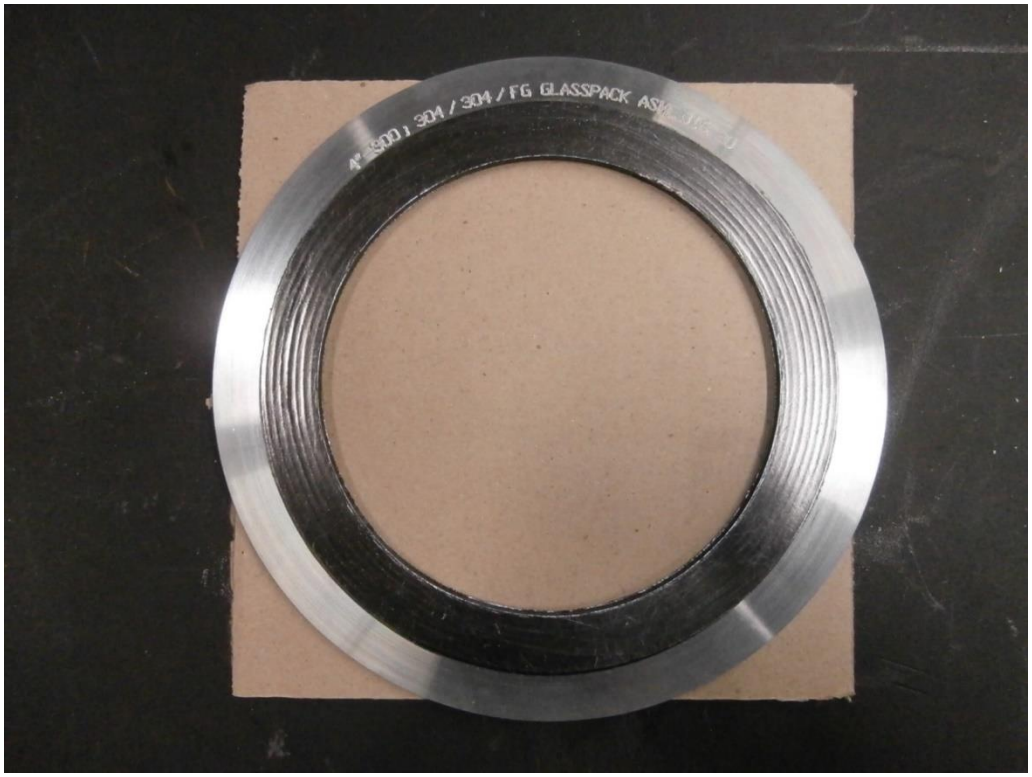
	Date	Time (EST)	Leakage (mbar-l/sec)
At Start	4/26/2023	9:54	1.48E-06
After 48 hours at 200C	5/1/2023	14:17	5.79E-06
		Maximum Leakage:	5.79E-06
		Allowable Leakage:	4.38E-05

Were Leakages Below Allowable:	**Yes**

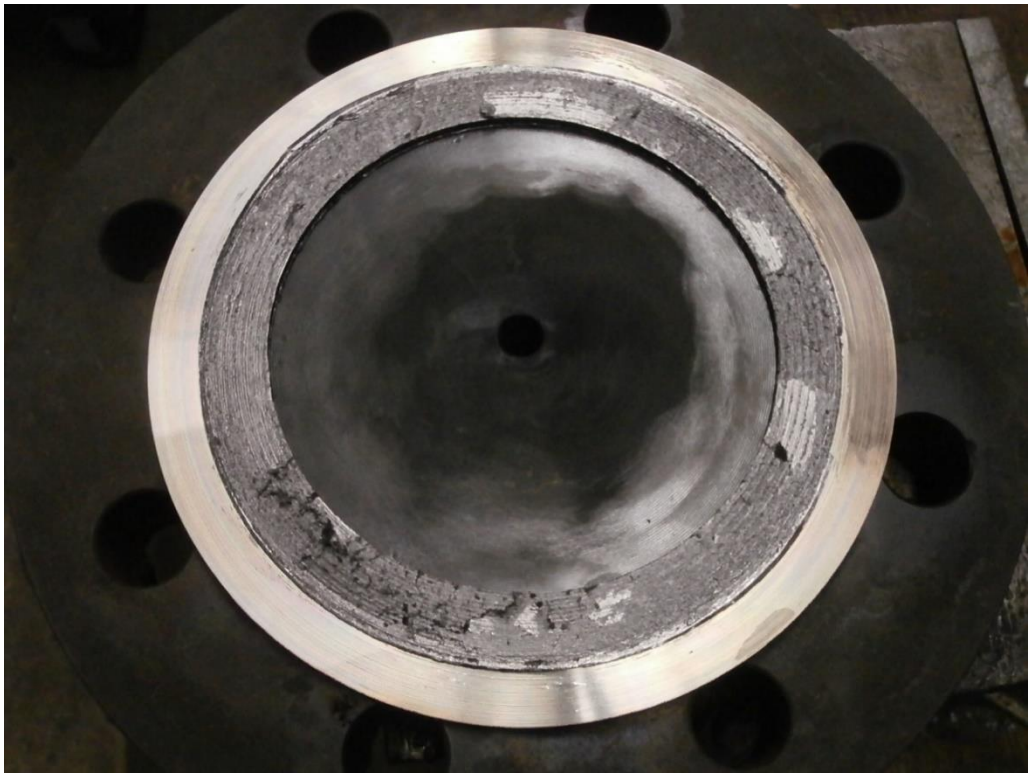
Certified By

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

Gasket Markings



Test Gasket Prior to Test



Post-Test Gasket