

API 607 Rev. 4 Fire Test
with Exxon Modifications
Test Report

Performed for

Leader Gasket



Style SR with flexible graphite filler
6 inch Class 300 Gaskets
Project Number: 202100
January 2003



Performed by

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API 607 4th Edition Fire Test Data

Customer: Leader Gasket	Date: 1/21/2003
Project Number: PN202100	
Specification: API 607 4th Edition with Exxon modifications	
Product Code: Style SR with flexible graphite filler	
Gasket Thickness: 0.190	inches
Flange Mfgr: Weldbend	Nut Mfgr: Shih Hsang
Bolt Mfgr: Alloy & Stainless Fasteners VA	
Comments:	
YRT Technician: Matthew J. Wasielewski, P.E.	

Bolt Torques (ft-lbs)

Bolt Location	At Start of Test	At Test Completion
Upstream #1	200	75
Upstream #2	200	80
Upstream #3	200	80
Upstream #4	200	70
Downstream #1	200	80
Downstream #2	200	80
Downstream #3	200	75
Downstream #4	200	75

Fire and Cooldown Data:

Max Flange Temp.	1303	deg. F
Average Test Pressure:	31.5	psig
Combined Leak Rate of Both Gaskets:	0.6	ml/min
Allowable Leakage:	150.0	ml/min
Is Leakage Below Allowable?:	YES	

Post Burn Leakage Tests - Max. Allowable Leakage = 150 ml/min

Test Pressure (psig)	Side A Leak Rate (ml/min)	Side B Leak Rate (ml/min)	Total Leak Rate (ml/min)
30	0	0.0	0.0
50	0	0.0	0.0
100	0	0.0	0.0
200	0	0.0	0.0
300	0	0.0	0.0
700	0.6	1.0	1.6
Are All Leakages Below Allowable?:	YES		
Does Gasket Pass All Leakage Requirements?:	YES		

Witnesses

Matthew J. Wasielewski

