



# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

<b>Customer:</b>	Flexitallic Ltd.	<b>Date:</b>	6/25/2012	
<b>Product Code:</b>	6 inch Class 300 Spiral-Wound Gasket			
	Thermiculite TH835			
	Inconel bolting per BS1768 (Alloy 718, ASTM B637)			
	270 ft-lb bolt torque.			
<b>Project Number:</b>	PN212098			
<b>Specification:</b>	API 6FB, Third Edition, Nov. 1998			
	Part II, Offshore, Non-Bending			
<b>Seal Area OD:</b>	8.25	<b>Seal Area ID:</b>	7.10	inches
<b>Mean Seal Diameter:</b>	7.68	inches		
<b>Mean Circumference:</b>	24.1	inches		
<b>Allowable Leakage:</b>	24.1	ml/min		
<b>Nominal Test Pressure:</b>	555	psig		
<b>YRT Technician:</b>	Matthew J. Wasielewski, P.E.			
	<b>Version of YRT's FIRE-Control 6FB Software: A</b>			
	<b>Equipment Confirmed to be in Calibration to NIST Standards: Yes</b>			

### *Burn and Cool Down Test*

Burn Start Time:	11:35:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	566	psig
Leak Rate During Burn/Cool Down:	0.7	ml/min
Allowable External Leak Rate:	24.1	ml/min
Time that Cal. Block > 1800 deg.:	21.8	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

### *Depressurization - Repressurization Test*

Average Pressure During Test:	555	psig
Gasket Leak Rate:	0	ml/min
Allowable External Leak Rate:	24.1	ml/min
Was the Leakage Below the Allowable?	Yes	

<b>Does the Gasket Pass or Fail API 6FB?</b>	<b>PASS</b>
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*Witnesses*

Matthew J. Wasielewski

*Note:*

