

# YARMOUTH RESEARCH AND TECHNOLOGY

## API 607 FIRE TEST REPORT

Customer: Atwood and Morrill	Date: 4/10/96
Specification: API 607, Fourth Edition, May 1993	
Product Code: 8 inch Class 150 Tricentric Butterfly Valve	
Project Number: PN95075	
Comments: Serial Number CSC-1868	
Witnessed by Paul Kreuz	
YRT Technician: Matthew J. Wasielewski, P.E.	
Version of YRT's FIRE-Control 607 Software:	A

### *Burn and Cool Down Test*

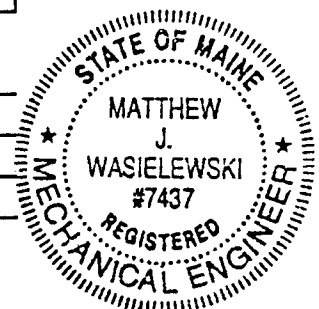
Burn Start Time:	11:14 AM	
Average Pressure During Burn:	31	psig
Seat Leak Rate During Burn:	0.03	ml/min
Allowable Seat Leak Rate:	800	ml/min
External Leak Rate During Burn/Cool Down:	11	ml/min
Allowable External Leak Rate:	200	ml/min
<i>NOTE: Most of external leakage was actually from the flanges and not the valve.</i>		
Were the Valve Leakages Below the Allowables?	Yes	

### *Operational Test*

Average Pressure During Test:	30	psig
Seat Leak Rate After Operating:	3	ml/min
Allowable Seat Leak Rate:	160	ml/min
External Leak Rate After Operating:	0	ml/min
Allowable External Leak Rate:	200	ml/min
Were the Valve Leakages Below the Allowables?	Yes	
Does Valve Pass or Fail API 607?	PASS	

Witnesses

*Matthew J. Wasielewski, P.E. Yarmouth Research*



# YARMOUTH RESEARCH AND TECHNOLOGY

## API 607 FIRE TEST REPORT

Customer: Atwood and Morrill	Date: 6/27/96
Specification: API 607, Fourth Edition, May 1993	
Product Code: 8 inch Class 300 Tricentric Butterfly Valve	
Project Number: PN96039	
Comments: Witnessed by Paul Kreuz.	
Serial Number CSC2182	
YRT Technician: Matthew J. Wasielewski, P.E.	
Version of YRT's FIRE-Control 607 Software: A	

### Burn and Cool Down Test

Burn Start Time:	11:35:00	
Average Pressure During Burn:	81	psig
Seat Leak Rate During Burn:	1	ml/min
Allowable Seat Leak Rate:	800	ml/min
External Leak Rate During Burn/Cool Down:	17	ml/min
Allowable External Leak Rate:	200	ml/min
Were the Valve Leakages Below the Allowables?	Yes	

### Operational Test

Average Pressure During Test:	30	psig
Seat Leak Rate After Operating:	0	ml/min
Allowable Seat Leak Rate:	160	ml/min
External Leak Rate After Operating:	0.4	ml/min
Allowable External Leak Rate:	200	ml/min
Were the Valve Leakages Below the Allowables?	Yes	

Does Valve Pass or Fail API 607?	PASS
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Witnesses

*Matthew J. Wasielewski, P.E., Yarmouth Research*

