

API Standard 622 Test Report

“Type Testing of Process Valve
Packing for Fugitive Emissions”
Second Edition, 2011

Performed for

Teadit North America

www.teadit-na.com



Teadit Style 2236 Graphite Packing

Project Number: 211142

Test Start Date: June 8, 2011



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

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Yarmouth Research and Technology, LLC

API 622 PROJECT SUMMARY

Customer: Teadit North America

Start Date: 8-Jun-11

Project #: 211142

Packing Information

Packing Description: Teadit Style 2236

Rings cut from spool and installed by Yarmouth

Test conducted in test fixture.(1)

Source of Sample: Customer

Packing Cross Section: 1/4 inch nominal

Packing Free Ht: 1.375 inches - measured

Test Conditions

Specification: API 622, 2nd Edition, 2011

Test Media: 99% Methane **Test Pressure:** 600 psig

Recommended Packing Nut Torque: 57 ft-lb

Maximum Allowable Leakage: 100 PPMv

Stem Linear Travel During Cycling: 4.0 inches

Cycling Rate: 45 seconds per cycle

Dimensions (inches)

Stem Diameter: 1.000 **Bore Diameter:** 1.500

Follower Height: 1.015 **Bore Depth:** 1.250

Gland Ht at Start: 0.658 **% Compression:** 35%

Gland Ht at End: 0.658 **% Compression:** 35%

Gland Bolt Diameter: 5/8

Results

Average Test Pressure: 600 psig

Number of Mechanical Cycles Completed: 1510

Number of Thermal Cycles Completed: 5

Number of Packing Adjustments Required: 0

Cycle Number(s) of Packing Adjustments: n/a

Average Leakage Throughout Test: 2 PPMv

Maximum Leakage Throughout Test: 22 PPMv

Witness



Matthew J Wasielewski, PE

President, Yarmouth Research



Yarmouth Research and Technology, LLC

Customer: Teadit North America

Start Date: 8-Jun-11

Project #: 211142

Packing Description: Teadit Style 2236

Rings cut from spool and installed by Yarmouth

Cycle Number	Inside Temp (F)	Bonnet Temp - (F)	Pressure (psig)	Stem Seal Leakage		Packing
				(PPMv)		Retorque
				Avg.	Max.	See Note
0	65	63	606	1	1	
50	66	70	600	0	0	
100	69	77	601	1	1	
150	71	80	606	0	1	
150	491	498	604	3	3	
200	497	496	597	2	3	
250	502	493	601	0	0	
300	503	495	601	0	1	
300	94	80	595	1	1	
350	84	83	598	1	1	
400	82	83	599	1	1	
450	78	80	598	0	0	
450	507	499	602	0	1	
500	502	499	600	1	1	
550	502	503	602	1	1	
600	497	499	598	0	0	
600	86	81	604	1	1	
650	85	84	599	1	1	
700	85	87	600	1	1	
750	85	90	601	1	2	
750	504	500	600	2	2	
800	500	500	604	2	2	
850	502	500	601	1	1	
900	503	499	600	1	1	
900	69	70	596	1	1	
950	73	76	602	2	2	
1000	75	81	597	1	1	
1050	78	85	603	0	1	
1050	509	499	600	2	3	
1100	510	499	599	1	2	
1150	508	500	601	1	1	
1200	505	499	597	1	1	
1200	91	85	603	2	2	
1250	92	92	604	2	2	
1300	90	95	598	7	7	

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1350	91	94	599	21	22	
1350	502	499	602	4	5	
1400	506	499	598	4	4	
1450	507	499	607	4	4	
1500	508	499	601	8	8	
1500	89	80	599	2	2	
1510	86	81	595	4	4	
Averages ->			600	2	2	
Maximums ->			607	21	22	

Packing Retorque Notes:

	<i>Before Adjustment</i>		<i>After Adjustment</i>			
	<i>Nut Torque</i>		<i>Nut Torque</i>		<i>Number of Flats</i>	<i>Gland Height</i>
	<i>Side 1</i>	<i>Side 2</i>	<i>Side 1</i>	<i>Side 2</i>		
1						
2						

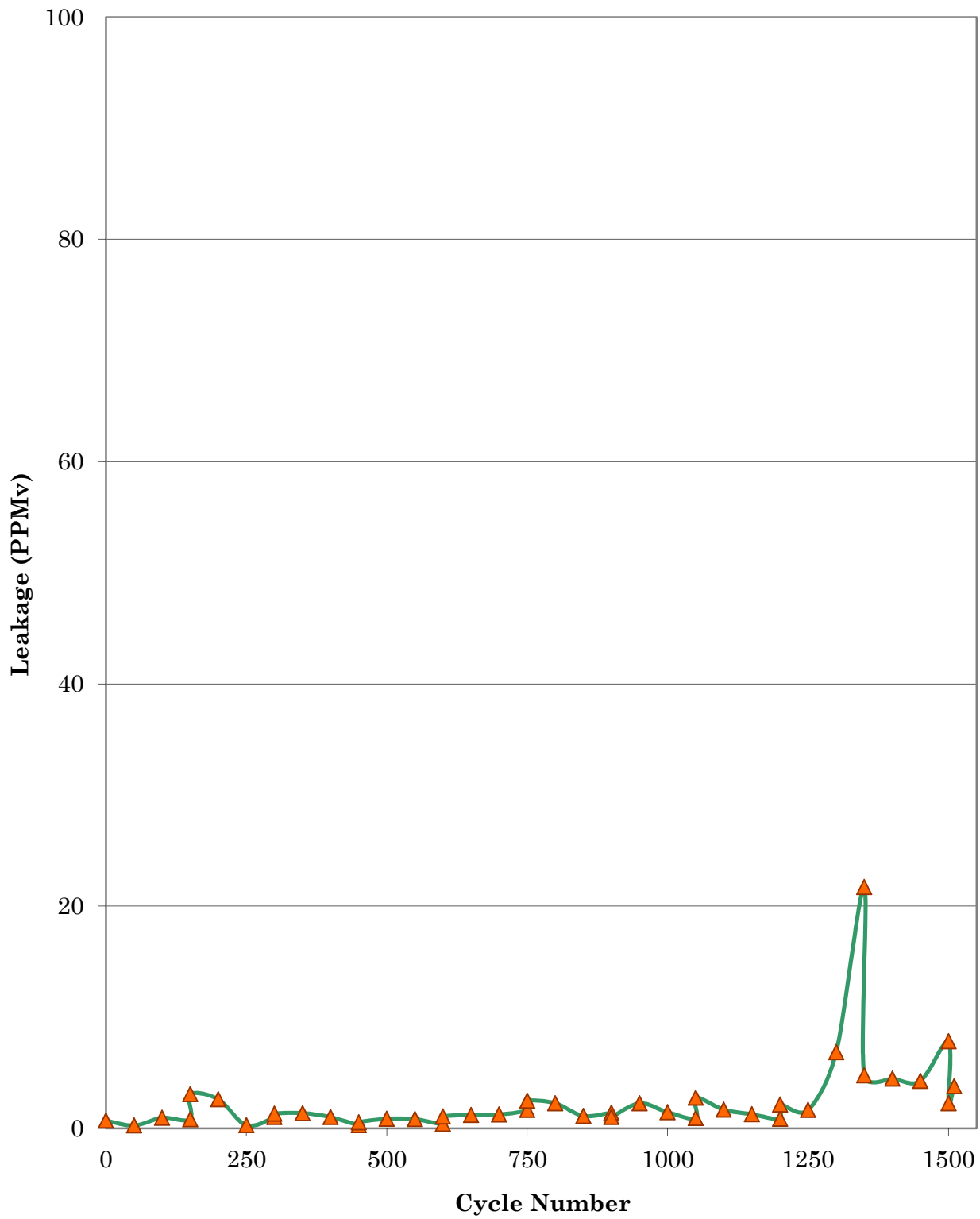
Nut Torque at End of Test: (ft-lb)	35	<-Side 1	40	<-Side 2
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Test Notes:

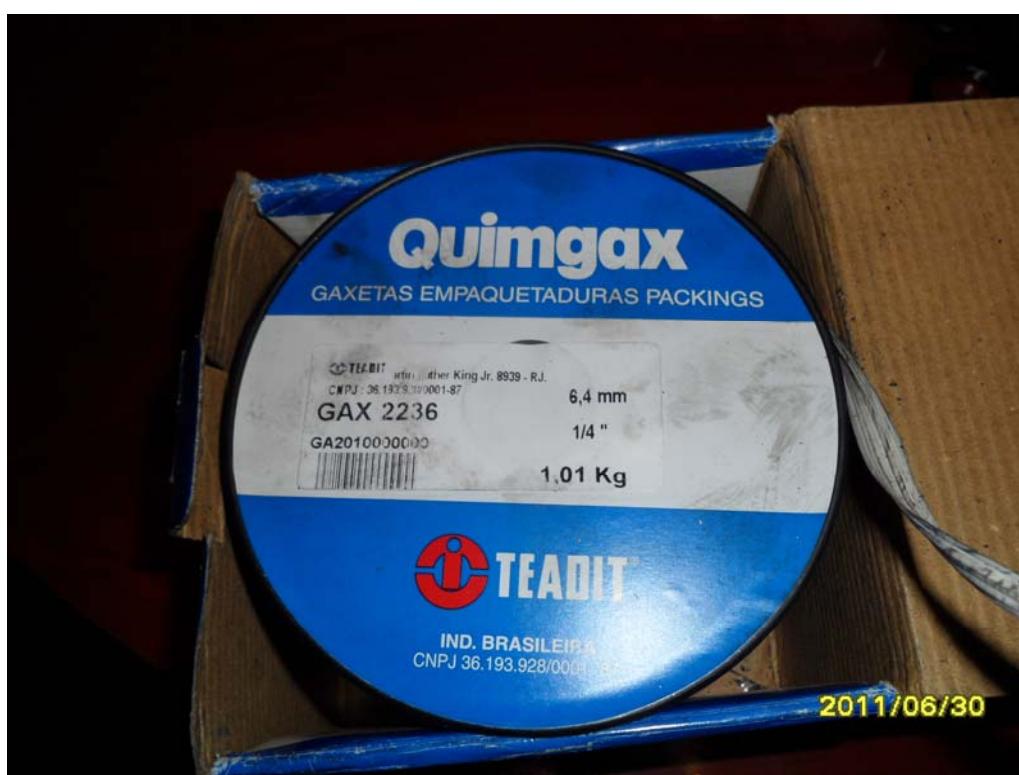
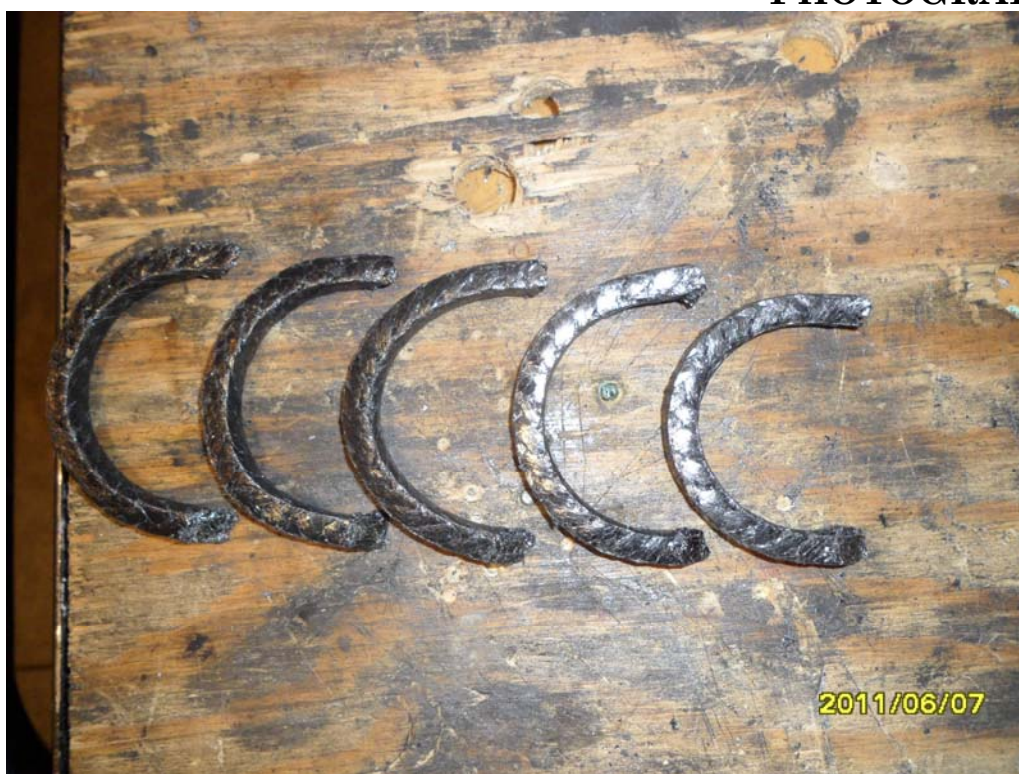
Test Results: The average and maximum leakage results shown below were
calculated from 60 readings measured during a minute duration.
See data sheets for more detailed information.

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Static Leakage Chart
Maximum Reading



PHOTOGRAPHS





Test fixture setup



Packing rings after test

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Valve Description: Teadit Style 2236

Cycle Number: 0

Date 6/8/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
8:22:26 AM	606.2	62.1	66.2	0.6
8:22:27 AM	606.1	63.4	66.4	0.6
8:22:28 AM	606.2	61.8	67.0	0.6
8:22:29 AM	606.0	63.0	65.6	0.7
8:22:30 AM	606.1	62.3	66.3	0.7
8:22:31 AM	606.1	62.7	65.9	0.7
8:22:32 AM	606.1	62.4	65.8	0.7
8:22:33 AM	606.1	62.5	66.1	0.7
8:22:34 AM	606.0	62.7	65.2	0.7
8:22:35 AM	606.2	62.1	64.3	0.7
8:22:36 AM	606.0	62.6	65.2	0.7
8:22:37 AM	605.9	61.8	65.8	0.7
8:22:38 AM	605.9	62.2	65.7	0.7
8:22:39 AM	606.1	63.1	66.3	0.7
8:22:40 AM	606.0	63.4	65.8	0.7
8:22:41 AM	605.9	62.4	64.5	0.7
8:22:42 AM	606.0	63.9	64.7	0.7
8:22:43 AM	605.9	62.5	65.4	0.7
8:22:44 AM	606.0	62.1	65.0	0.7
8:22:45 AM	605.9	62.4	65.9	0.7
8:22:46 AM	605.9	62.8	65.2	0.7
8:22:47 AM	606.0	62.7	65.2	0.7
8:22:48 AM	605.9	62.7	65.7	0.7
8:22:49 AM	606.1	62.5	65.2	0.7
8:22:50 AM	606.0	62.5	65.4	0.7
8:22:51 AM	605.9	63.2	64.8	0.7
8:22:52 AM	606.1	63.0	65.1	0.7
8:22:53 AM	605.9	63.6	64.9	0.7
8:22:54 AM	605.9	61.2	65.1	0.7
8:22:55 AM	605.9	63.6	64.9	0.7
8:22:56 AM	605.9	62.9	64.4	0.7
8:22:57 AM	605.9	62.7	64.5	0.7
8:22:58 AM	605.8	62.3	64.8	0.7
8:22:59 AM	605.9	61.2	65.4	0.7
8:23:00 AM	606.1	62.7	64.5	0.7
8:23:01 AM	605.8	63.0	64.3	0.7
8:23:02 AM	605.9	62.0	63.5	0.7
8:23:03 AM	606.0	63.2	64.5	0.7
8:23:04 AM	605.9	63.2	64.5	0.7
8:23:05 AM	605.8	62.3	63.9	0.7
8:23:06 AM	605.8	62.3	64.5	0.7
8:23:07 AM	605.8	62.1	64.0	0.7
8:23:08 AM	605.7	62.3	63.6	0.7
8:23:09 AM	605.9	62.3	63.9	0.7
8:23:10 AM	605.7	62.2	64.3	0.7
8:23:11 AM	605.7	62.9	65.5	0.7
8:23:12 AM	605.8	61.4	64.5	0.7
8:23:13 AM	605.9	62.3	64.7	0.7
8:23:14 AM	605.9	61.1	64.0	0.7
8:23:15 AM	605.8	62.6	64.5	0.7
8:23:16 AM	605.9	62.2	63.9	0.7
8:23:17 AM	605.7	62.9	65.2	0.7
8:23:18 AM	605.8	62.5	63.9	0.7
8:23:19 AM	605.8	63.4	63.7	0.7
8:23:20 AM	605.7	61.6	64.1	0.7
8:23:21 AM	605.6	63.2	65.1	0.7
8:23:22 AM	605.7	62.7	64.5	0.7
8:23:23 AM	605.8	62.5	63.8	0.7
8:23:24 AM	605.8	62.9	63.9	0.7
8:23:25 AM	605.7	62.3	64.3	0.7
Averages ->	605.9	62.5	64.9	0.7
			Maximum ->	0.7

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Valve Description: Teadit Style 2236

Cycle Number: 50

Date 6/8/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
9:16:13 AM	600.5	70.6	66.0	0.2
9:16:14 AM	600.5	70.0	65.4	0.2
9:16:15 AM	600.6	70.9	65.1	0.2
12:00:00 AM	600.4	70.3	65.9	0.2
9:16:16 AM	600.7	69.9	65.3	0.2
9:16:18 AM	600.4	70.2	66.3	0.2
9:16:19 AM	600.5	70.9	65.9	0.2
9:16:20 AM	600.6	69.9	65.5	0.2
9:16:21 AM	600.4	70.9	65.7	0.2
9:16:22 AM	600.4	71.2	65.6	0.2
9:16:23 AM	600.6	70.1	66.2	0.2
9:16:24 AM	600.4	71.4	66.1	0.2
9:16:25 AM	600.5	71.4	65.9	0.2
9:16:26 AM	600.5	70.3	65.6	0.2
9:16:27 AM	600.5	70.5	65.4	0.2
9:16:28 AM	600.5	70.7	66.0	0.2
9:16:29 AM	600.6	70.0	65.8	0.2
9:16:30 AM	600.5	69.4	66.3	0.2
9:16:31 AM	600.5	71.1	65.4	0.2
9:16:32 AM	600.5	70.8	65.0	0.2
9:16:33 AM	600.5	70.5	66.1	0.1
9:16:34 AM	600.5	70.5	65.8	0.2
9:16:35 AM	600.4	70.7	66.3	0.1
9:16:36 AM	600.6	70.6	65.0	0.1
9:16:37 AM	600.4	69.7	65.6	0.2
9:16:38 AM	600.4	70.1	65.3	0.2
9:16:39 AM	600.4	70.0	65.9	0.2
9:16:40 AM	600.5	71.4	65.9	0.2
9:16:41 AM	600.4	70.8	66.0	0.2
9:16:42 AM	600.5	71.3	66.3	0.2
9:16:43 AM	600.5	69.7	65.6	0.2
9:16:44 AM	600.7	70.6	65.4	0.2
9:16:45 AM	600.5	71.0	65.2	0.2
9:16:46 AM	600.4	70.8	66.1	0.2
9:16:47 AM	600.5	70.1	65.4	0.2
9:16:48 AM	600.4	70.3	66.2	0.2
9:16:49 AM	600.7	71.1	65.1	0.2
9:16:50 AM	600.6	70.1	65.7	0.2
9:16:51 AM	600.4	72.0	65.1	0.2
9:16:52 AM	600.5	70.3	66.6	0.2
9:16:53 AM	600.4	70.6	65.7	0.2
9:16:54 AM	600.5	70.6	66.3	0.2
9:16:55 AM	600.5	71.2	66.4	0.2
9:16:56 AM	600.6	71.4	65.3	0.2
9:16:57 AM	600.3	70.6	65.9	0.2
9:16:58 AM	600.4	69.4	65.6	0.2
9:16:59 AM	600.4	71.0	65.0	0.2
9:17:00 AM	600.3	70.3	65.4	0.3
9:17:01 AM	600.5	70.1	66.2	0.2
9:17:02 AM	600.5	70.7	65.9	0.2
9:17:03 AM	600.4	69.4	65.9	0.2
9:17:04 AM	600.5	69.2	65.8	0.2
9:17:05 AM	600.6	70.7	65.4	0.2
9:17:06 AM	600.5	70.5	65.9	0.2
9:17:07 AM	600.5	69.9	65.9	0.2
9:17:08 AM	600.4	69.8	65.6	0.2
9:17:09 AM	600.4	69.7	66.5	0.2
9:17:10 AM	600.4	70.1	66.1	0.2
9:17:11 AM	600.3	70.2	66.1	0.2
9:17:12 AM	600.3	70.2	65.4	0.2
Averages ->	600.5	70.5	65.8	0.2
			Maximum ->	0.3

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Valve Description: Teadit Style 2236

Cycle Number: 100

Date 6/8/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
9:59:39 AM	601.3	78.6	69.2	0.8
9:59:40 AM	601.3	76.7	69.3	0.8
9:59:41 AM	601.1	77.2	68.5	0.8
9:59:42 AM	601.3	78.4	69.7	0.8
9:59:43 AM	601.2	76.8	69.1	0.8
9:59:44 AM	601.2	76.6	69.4	0.8
9:59:45 AM	601.2	76.5	69.4	0.8
9:59:46 AM	601.1	77.5	68.4	0.8
9:59:47 AM	601.3	76.8	69.1	0.7
9:59:48 AM	601.1	77.9	69.0	0.8
9:59:49 AM	601.2	77.7	70.1	0.8
9:59:50 AM	601.2	77.9	68.6	0.8
9:59:51 AM	601.2	77.2	69.4	0.8
9:59:52 AM	601.2	76.1	68.8	0.7
9:59:53 AM	601.2	77.7	69.2	0.8
9:59:54 AM	601.1	77.2	69.2	0.8
9:59:55 AM	601.1	76.6	69.1	0.8
9:59:56 AM	601.3	76.5	68.5	0.9
9:59:57 AM	601.3	77.2	68.9	0.9
9:59:58 AM	601.1	78.5	70.3	1.0
9:59:59 AM	601.2	77.1	69.0	1.0
10:00:00 AM	601.2	75.7	69.2	0.9
10:00:01 AM	601.2	77.0	69.6	0.9
10:00:02 AM	601.3	77.9	69.2	0.9
10:00:03 AM	601.2	77.5	68.7	0.9
10:00:04 AM	601.1	77.0	69.9	0.8
10:00:05 AM	601.2	77.4	69.4	0.8
10:00:06 AM	601.2	76.4	69.3	0.8
10:00:07 AM	601.3	77.6	69.0	0.8
10:00:08 AM	601.1	77.2	69.1	0.7
10:00:09 AM	601.2	76.3	69.3	0.7
10:00:10 AM	601.3	78.3	69.7	0.7
10:00:11 AM	601.2	77.3	69.2	0.7
10:00:12 AM	601.2	77.9	69.4	0.7
10:00:13 AM	601.4	76.3	69.1	0.7
10:00:14 AM	601.2	77.7	69.1	0.7
10:00:15 AM	601.2	76.7	68.8	0.7
10:00:16 AM	601.2	77.1	69.0	0.7
10:00:17 AM	601.1	76.7	68.3	0.7
10:00:18 AM	601.3	77.4	69.0	0.7
10:00:19 AM	601.2	77.5	69.9	0.7
10:00:20 AM	601.2	77.2	69.1	0.7
10:00:21 AM	601.2	76.3	68.4	0.7
10:00:22 AM	601.1	76.7	68.8	0.7
10:00:23 AM	601.2	77.5	69.7	0.7
10:00:24 AM	601.4	77.7	68.9	0.7
10:00:25 AM	601.2	75.9	69.0	0.7
10:00:26 AM	601.2	76.3	69.0	0.7
10:00:27 AM	601.3	75.9	69.0	0.7
10:00:28 AM	601.2	77.2	68.8	0.7
10:00:29 AM	601.3	76.6	68.8	0.8
10:00:30 AM	601.2	76.9	69.2	0.8
10:00:31 AM	601.2	76.7	69.2	0.8
10:00:32 AM	601.1	77.3	69.6	0.8
10:00:33 AM	601.3	77.0	69.4	0.8
10:00:34 AM	601.1	76.3	68.5	0.8
10:00:35 AM	601.2	76.7	69.1	0.8
10:00:36 AM	601.2	76.6	68.7	0.7
10:00:37 AM	601.2	76.8	69.0	0.8
10:00:38 AM	601.2	77.6	69.7	0.8
Averages ->	601.2	77.1	69.1	0.8
			Maximum ->	1.0

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Valve Description: Teadit Style 2236

Cycle Number: 150

Date 6/8/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
10:42:31 AM	606.0	80.1	70.8	0.5
10:42:32 AM	606.1	80.5	70.9	0.5
10:42:33 AM	606.1	80.2	70.7	0.5
10:42:34 AM	606.0	80.6	70.5	0.5
10:42:35 AM	606.0	79.9	71.3	0.4
10:42:36 AM	606.0	80.8	71.2	0.4
10:42:37 AM	606.0	80.6	70.5	0.4
10:42:38 AM	606.0	80.6	71.9	0.4
10:42:39 AM	606.0	80.4	71.2	0.4
10:42:40 AM	606.0	79.8	70.2	0.4
10:42:41 AM	605.9	80.4	71.2	0.4
10:42:42 AM	606.1	80.6	71.0	0.4
10:42:43 AM	606.0	79.6	71.2	0.4
10:42:44 AM	605.9	79.9	71.3	0.4
10:42:45 AM	606.0	80.8	71.5	0.4
10:42:46 AM	605.9	80.4	70.8	0.5
10:42:47 AM	606.0	79.9	71.4	0.4
10:42:48 AM	605.9	79.7	70.9	0.4
10:42:49 AM	606.2	80.0	71.6	0.4
10:42:50 AM	606.0	80.3	71.5	0.5
10:42:51 AM	605.9	79.8	71.4	0.5
10:42:52 AM	605.9	79.9	70.8	0.5
10:42:53 AM	606.1	80.2	71.2	0.6
10:42:54 AM	606.0	81.2	72.0	0.7
10:42:55 AM	605.9	79.4	70.1	0.7
10:42:56 AM	606.1	80.1	71.7	0.7
10:42:57 AM	605.9	79.7	70.3	0.7
10:42:58 AM	605.9	79.5	70.7	0.7
10:42:59 AM	606.0	79.9	71.0	0.8
10:43:00 AM	606.2	79.4	71.5	0.8
10:43:01 AM	605.9	79.8	71.2	0.8
10:43:02 AM	606.0	80.6	71.2	0.8
10:43:03 AM	606.0	80.0	71.4	0.8
10:43:04 AM	606.0	80.1	71.1	0.7
10:43:05 AM	605.9	80.2	70.9	0.7
10:43:06 AM	606.0	80.5	71.1	0.6
10:43:07 AM	605.9	79.7	70.6	0.6
10:43:08 AM	606.0	79.7	71.3	0.5
10:43:09 AM	605.9	79.7	70.8	0.5
10:43:10 AM	606.0	81.2	72.1	0.4
10:43:11 AM	606.0	80.0	71.1	0.4
10:43:12 AM	606.0	79.7	71.0	0.4
10:43:13 AM	606.1	79.3	71.2	0.4
10:43:14 AM	606.1	79.6	71.0	0.4
10:43:15 AM	605.9	79.5	71.5	0.4
10:43:16 AM	605.9	79.1	70.5	0.4
10:43:17 AM	606.0	79.9	71.0	0.3
10:43:18 AM	606.0	79.5	70.7	0.3
10:43:19 AM	606.1	79.5	72.3	0.4
10:43:20 AM	606.0	79.5	70.9	0.4
10:43:21 AM	606.0	81.3	70.8	0.4
10:43:22 AM	606.0	79.8	71.3	0.4
10:43:23 AM	606.2	79.0	72.1	0.4
10:43:24 AM	606.0	80.5	71.2	0.4
10:43:25 AM	606.0	79.2	70.8	0.4
10:43:26 AM	606.0	79.5	71.4	0.4
10:43:27 AM	606.0	79.5	70.6	0.4
10:43:28 AM	606.0	79.6	70.9	0.4
10:43:29 AM	605.9	79.5	71.2	0.3
10:43:30 AM	606.0	79.7	71.0	0.3
Averages ->	606.0	80.0	71.1	0.5
			Maximum ->	0.8

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 150

Date 6/8/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
1:43:55 PM	604.0	497.2	489.6	3.0
1:43:56 PM	603.9	497.4	488.6	3.0
1:43:57 PM	603.9	498.0	489.5	3.0
1:43:58 PM	603.9	497.4	489.6	3.0
1:43:59 PM	603.8	496.3	490.3	3.0
1:44:00 PM	603.8	498.0	491.0	3.0
1:44:01 PM	604.0	497.0	489.8	3.0
1:44:02 PM	603.9	497.0	490.4	3.0
1:44:03 PM	604.0	497.8	489.6	3.0
1:44:04 PM	604.0	497.7	488.9	3.0
1:44:05 PM	604.0	497.6	489.9	3.0
1:44:06 PM	604.0	497.8	489.6	3.0
1:44:07 PM	604.0	497.3	489.4	3.0
1:44:08 PM	604.1	498.0	490.5	3.0
1:44:09 PM	604.1	496.8	489.8	3.0
1:44:10 PM	604.1	498.4	490.4	3.0
1:44:11 PM	604.0	497.6	490.3	3.0
1:44:12 PM	604.1	497.4	489.6	3.0
1:44:13 PM	604.1	498.0	489.8	3.0
1:44:14 PM	604.2	497.5	490.4	3.0
1:44:15 PM	604.3	497.0	489.8	3.0
1:44:16 PM	604.3	497.9	490.4	3.0
1:44:17 PM	604.3	498.6	491.4	3.0
1:44:18 PM	604.2	496.4	489.9	3.0
1:44:19 PM	604.2	498.0	490.4	3.0
1:44:20 PM	604.2	497.9	490.0	3.0
1:44:21 PM	604.3	498.0	490.5	3.0
1:44:22 PM	604.3	498.2	489.6	3.0
1:44:23 PM	604.3	497.9	490.4	3.0
1:44:24 PM	604.3	499.4	491.2	3.0
1:44:25 PM	604.5	499.0	490.9	3.0
1:44:26 PM	604.4	497.6	490.1	3.0
1:44:27 PM	604.4	498.3	491.4	3.0
1:44:28 PM	604.3	498.2	491.0	3.0
1:44:29 PM	604.4	497.4	491.0	3.0
1:44:30 PM	604.4	497.6	490.1	3.0
1:44:31 PM	604.5	498.3	490.7	3.0
1:44:32 PM	604.5	498.2	490.6	3.0
1:44:33 PM	604.7	498.5	491.0	3.0
1:44:34 PM	604.5	498.3	490.2	3.0
1:44:35 PM	604.6	497.4	490.0	3.0
1:44:36 PM	604.8	499.5	490.6	3.0
1:44:37 PM	604.8	498.8	491.4	3.0
1:44:38 PM	604.8	497.5	490.9	3.0
1:44:39 PM	604.8	497.9	492.2	3.0
1:44:40 PM	604.8	499.8	491.5	3.0
1:44:41 PM	604.6	498.8	491.8	3.0
1:44:42 PM	604.9	499.7	490.6	3.0
1:44:43 PM	604.8	498.8	491.0	3.0
1:44:44 PM	604.8	499.0	491.2	3.0
1:44:45 PM	604.8	498.6	492.6	3.0
1:44:46 PM	604.9	498.5	490.7	3.0
1:44:47 PM	605.0	498.8	491.9	3.0
1:44:48 PM	604.9	498.9	491.2	3.0
1:44:49 PM	605.0	497.8	491.2	3.0
1:44:50 PM	604.9	499.6	491.3	3.0
1:44:51 PM	604.9	498.6	491.8	3.1
1:44:52 PM	604.9	499.2	491.4	3.0
1:44:53 PM	605.1	499.8	490.7	3.1
1:44:54 PM	605.0	498.2	490.6	3.1
Averages ->	604.4	498.1	490.5	3.0
			Maximum ->	3.1

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 200

Date 6/8/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
2:33:30 PM	596.8	495.3	496.9	2.6
2:33:31 PM	596.8	493.9	497.2	2.6
2:33:32 PM	596.6	495.1	496.2	2.6
2:33:33 PM	596.7	494.1	497.6	2.5
2:33:34 PM	596.7	495.6	495.9	2.5
2:33:35 PM	596.7	495.3	496.9	2.5
2:33:36 PM	596.7	495.3	497.2	2.5
2:33:37 PM	596.8	494.5	496.9	2.5
2:33:38 PM	596.8	494.0	497.4	2.4
2:33:39 PM	597.0	496.2	497.2	2.4
2:33:40 PM	596.8	495.2	496.4	2.4
2:33:41 PM	597.0	495.5	496.2	2.4
2:33:42 PM	596.9	495.1	496.9	2.4
2:33:43 PM	597.0	495.0	496.2	2.4
2:33:44 PM	596.8	495.0	497.4	2.3
2:33:45 PM	596.9	495.4	496.3	2.3
2:33:46 PM	596.9	495.3	497.1	2.3
2:33:47 PM	597.0	496.1	496.6	2.3
2:33:48 PM	597.0	494.2	496.8	2.3
2:33:49 PM	597.0	494.5	496.8	2.3
2:33:50 PM	597.0	494.3	496.4	2.3
2:33:51 PM	597.1	495.5	496.4	2.3
2:33:52 PM	597.1	495.7	496.6	2.3
2:33:53 PM	597.1	494.9	497.1	2.3
2:33:54 PM	597.2	495.8	496.4	2.3
2:33:55 PM	597.1	494.9	497.5	2.3
2:33:56 PM	597.2	496.1	497.8	2.3
2:33:57 PM	597.2	495.7	496.9	2.3
2:33:58 PM	597.1	496.3	496.8	2.3
2:33:59 PM	597.2	496.0	497.0	2.3
2:34:00 PM	597.2	496.0	497.4	2.3
2:34:01 PM	597.4	495.9	496.6	2.3
2:34:02 PM	597.3	494.9	496.6	2.3
2:34:03 PM	597.5	496.0	497.2	2.3
2:34:04 PM	597.3	495.5	496.4	2.3
2:34:05 PM	597.4	496.4	497.2	2.3
2:34:06 PM	597.3	496.1	496.9	2.3
2:34:07 PM	597.5	496.5	497.8	2.2
2:34:08 PM	597.5	495.7	497.5	2.3
2:34:09 PM	597.4	496.8	496.9	2.3
2:34:10 PM	597.5	495.9	497.2	2.3
2:34:11 PM	597.6	496.3	498.0	2.2
2:34:12 PM	597.7	496.9	497.8	2.3
2:34:13 PM	597.8	496.1	496.9	2.3
2:34:14 PM	597.7	496.8	497.1	2.3
2:34:15 PM	597.7	496.2	496.8	2.3
2:34:16 PM	597.7	496.7	497.6	2.3
2:34:17 PM	597.8	497.4	496.8	2.3
2:34:18 PM	597.7	496.7	497.6	2.3
2:34:19 PM	597.9	497.3	497.0	2.3
2:34:20 PM	597.9	497.9	497.4	2.3
2:34:21 PM	597.9	497.3	498.4	2.2
2:34:22 PM	597.9	496.9	497.8	2.2
2:34:23 PM	598.0	497.7	497.9	2.2
2:34:24 PM	598.0	497.5	498.4	2.2
2:34:25 PM	598.0	498.7	497.6	2.2
2:34:26 PM	598.1	497.9	497.2	2.2
2:34:27 PM	598.0	497.9	496.4	2.2
2:34:28 PM	599.0	498.4	497.0	2.2
2:34:29 PM	600.8	498.1	497.2	2.2
Averages ->	597.4	496.0	497.1	2.3
			Maximum ->	2.6

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 250

Date 6/8/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
3:25:55 PM	600.4	494.0	500.0	0.3
3:25:56 PM	600.4	493.8	499.7	0.3
3:25:57 PM	600.5	494.0	500.3	0.3
3:25:58 PM	600.6	494.5	500.2	0.3
3:25:59 PM	600.6	493.7	500.0	0.3
3:26:00 PM	600.6	493.6	499.7	0.3
3:26:01 PM	600.7	493.4	500.3	0.3
3:26:02 PM	600.7	494.4	500.3	0.3
3:26:03 PM	600.5	495.0	500.3	0.3
3:26:04 PM	600.6	493.6	500.2	0.3
3:26:05 PM	600.8	493.2	500.6	0.3
3:26:06 PM	600.6	494.0	500.0	0.3
3:26:07 PM	600.9	494.2	500.6	0.3
3:26:08 PM	600.7	494.0	500.6	0.3
3:26:09 PM	600.7	494.1	500.9	0.3
3:26:10 PM	600.9	493.8	501.0	0.3
3:26:11 PM	600.8	494.2	500.3	0.3
3:26:12 PM	600.9	494.6	501.2	0.3
3:26:13 PM	601.0	493.8	500.9	0.3
3:26:14 PM	600.9	494.0	501.5	0.3
3:26:15 PM	600.9	494.4	501.4	0.2
3:26:16 PM	600.9	494.7	502.3	0.2
3:26:17 PM	601.0	494.6	501.6	0.2
3:26:18 PM	601.0	493.6	501.2	0.2
3:26:19 PM	601.1	493.0	500.8	0.2
3:26:20 PM	601.1	493.8	503.0	0.2
3:26:21 PM	601.0	493.8	500.8	0.2
3:26:22 PM	601.2	493.6	500.9	0.2
3:26:23 PM	601.0	494.5	502.0	0.2
3:26:24 PM	601.0	494.1	502.2	0.2
3:26:25 PM	601.2	493.5	501.2	0.2
3:26:26 PM	601.0	494.2	501.6	0.2
3:26:27 PM	601.1	494.6	502.7	0.2
3:26:28 PM	601.3	493.8	502.8	0.3
3:26:29 PM	601.1	492.7	501.8	0.2
3:26:30 PM	601.1	492.7	502.2	0.2
3:26:31 PM	601.2	492.6	502.4	0.2
3:26:32 PM	601.1	493.6	502.2	0.2
3:26:33 PM	601.1	492.4	502.7	0.2
3:26:34 PM	601.1	492.6	502.1	0.2
3:26:35 PM	601.1	492.3	502.2	0.3
3:26:36 PM	601.2	493.4	502.4	0.2
3:26:37 PM	601.1	493.0	502.9	0.2
3:26:38 PM	601.0	493.2	502.4	0.2
3:26:39 PM	601.0	493.5	502.6	0.2
3:26:40 PM	601.2	491.9	502.6	0.2
3:26:41 PM	601.1	492.5	502.5	0.2
3:26:42 PM	601.2	492.3	502.4	0.2
3:26:43 PM	601.0	491.6	502.0	0.2
3:26:44 PM	600.9	493.0	502.4	0.2
3:26:45 PM	601.0	493.0	502.8	0.3
3:26:46 PM	601.0	492.5	503.1	0.2
3:26:47 PM	601.0	492.2	503.0	0.2
3:26:48 PM	600.9	493.6	502.2	0.2
3:26:49 PM	600.9	494.2	503.1	0.2
3:26:50 PM	601.5	491.8	503.6	0.2
3:26:51 PM	601.0	492.8	502.8	0.2
3:26:52 PM	600.9	492.6	503.2	0.2
3:26:53 PM	601.0	493.8	502.6	0.2
3:26:54 PM	601.0	491.7	503.6	0.2
Averages ->	600.9	493.5	501.7	0.2
			Maximum ->	0.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 300

Date 6/8/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
4:12:10 PM	600.7	496.2	502.0	0.0
4:12:11 PM	600.9	495.6	502.3	0.8
4:12:12 PM	600.9	496.4	502.3	1.0
4:12:13 PM	600.8	496.6	501.7	0.9
4:12:14 PM	600.8	497.0	501.2	0.7
4:12:15 PM	600.7	497.3	503.2	0.6
4:12:16 PM	600.9	495.8	501.2	0.5
4:12:17 PM	600.9	496.9	502.2	0.4
4:12:18 PM	600.9	495.3	502.0	0.4
4:12:19 PM	600.8	496.1	502.6	0.4
4:12:20 PM	600.7	496.6	503.8	0.4
4:12:21 PM	600.8	496.4	503.1	0.4
4:12:22 PM	600.7	496.7	503.0	0.5
4:12:23 PM	600.9	496.1	502.0	0.5
4:12:24 PM	600.9	495.4	502.9	0.5
4:12:25 PM	600.9	496.6	502.2	0.6
4:12:26 PM	600.8	496.0	502.6	0.6
4:12:27 PM	600.7	496.2	503.8	0.6
4:12:28 PM	600.8	496.2	503.0	0.6
4:12:29 PM	600.7	495.4	503.0	0.7
4:12:30 PM	600.8	495.3	503.0	0.7
4:12:31 PM	600.8	495.6	502.6	0.7
4:12:32 PM	600.7	496.4	503.4	0.7
4:12:33 PM	600.7	495.0	503.0	0.7
4:12:34 PM	600.7	494.6	502.6	0.7
4:12:35 PM	600.7	495.4	502.6	0.6
4:12:36 PM	600.7	496.2	503.2	0.5
4:12:37 PM	600.9	494.5	503.1	0.4
4:12:38 PM	600.7	495.0	502.3	0.4
4:12:39 PM	600.8	494.9	503.6	0.4
4:12:40 PM	600.7	495.6	503.2	0.3
4:12:41 PM	600.6	495.4	503.4	0.3
4:12:42 PM	600.6	495.1	502.6	0.3
4:12:43 PM	600.7	495.3	503.0	0.3
4:12:44 PM	600.5	494.9	503.2	0.3
4:12:45 PM	600.6	494.4	503.0	0.2
4:12:46 PM	600.7	495.7	503.6	0.2
4:12:47 PM	600.6	494.7	502.2	0.1
4:12:48 PM	600.5	494.5	503.1	0.0
4:12:49 PM	600.5	495.1	502.8	0.2
4:12:50 PM	600.5	495.6	503.8	0.3
4:12:51 PM	600.5	494.8	502.4	0.3
4:12:52 PM	600.5	494.7	504.0	0.3
4:12:53 PM	600.3	495.6	503.6	0.3
4:12:54 PM	600.5	494.6	502.9	0.3
4:12:55 PM	600.3	494.2	503.0	0.3
4:12:56 PM	600.4	495.3	503.8	0.3
4:12:57 PM	600.4	495.0	502.6	0.3
4:12:58 PM	600.4	495.9	502.7	0.3
4:12:59 PM	600.4	495.0	503.9	0.3
4:13:00 PM	600.3	493.8	504.4	0.3
4:13:01 PM	600.3	495.1	502.7	0.4
4:13:02 PM	600.3	495.3	502.4	0.3
4:13:03 PM	600.3	494.8	501.9	0.4
4:13:04 PM	600.3	494.3	503.1	0.4
4:13:05 PM	600.2	495.8	502.8	0.4
4:13:06 PM	600.2	495.2	502.8	0.4
4:13:07 PM	600.2	494.8	502.4	0.4
4:13:08 PM	600.2	494.2	502.2	0.4
4:13:09 PM	600.1	492.5	503.1	0.4
Averages ->	600.6	495.4	502.8	0.4
			Maximum ->	1.0

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 300

Date 6/9/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
8:23:09 AM	599.1	78.6	98.7	1.3
8:23:10 AM	598.7	79.6	99.8	1.3
8:23:11 AM	598.2	78.8	98.3	1.3
8:23:12 AM	597.9	79.8	98.9	1.3
8:23:13 AM	597.9	78.8	97.9	1.3
8:23:14 AM	597.7	80.4	98.5	1.3
8:23:15 AM	597.4	79.1	97.2	1.3
8:23:16 AM	597.1	78.0	97.5	1.3
8:23:17 AM	596.9	79.2	98.8	1.3
8:23:18 AM	596.6	79.0	96.8	1.3
8:23:19 AM	596.5	80.3	97.0	1.3
8:23:20 AM	596.4	79.3	96.7	1.3
8:23:21 AM	596.1	80.4	97.8	1.3
8:23:22 AM	596.1	79.1	97.3	1.3
8:23:23 AM	596.0	79.5	95.3	1.3
8:23:24 AM	595.9	79.7	95.1	1.3
8:23:25 AM	595.7	79.5	95.9	1.3
8:23:26 AM	595.6	80.0	95.5	1.3
8:23:27 AM	595.5	78.8	95.0	1.3
8:23:28 AM	595.4	79.5	94.9	1.3
8:23:29 AM	595.2	78.1	94.7	1.3
8:23:30 AM	595.2	80.1	95.4	1.3
8:23:31 AM	595.1	79.5	94.3	1.3
8:23:32 AM	594.8	80.1	94.1	1.3
8:23:33 AM	594.8	79.0	95.1	1.3
8:23:34 AM	594.8	79.6	94.5	1.3
8:23:35 AM	594.7	80.1	93.6	1.3
8:23:36 AM	594.6	78.8	95.2	1.3
8:23:37 AM	594.7	80.2	93.7	1.3
8:23:38 AM	594.6	81.0	93.6	1.3
8:23:39 AM	594.5	80.3	93.1	1.3
8:23:40 AM	594.5	79.5	93.6	1.3
8:23:41 AM	594.4	79.2	93.1	1.3
8:23:42 AM	594.3	80.4	93.6	1.3
8:23:43 AM	594.2	79.6	91.7	1.3
8:23:44 AM	594.3	78.7	91.8	1.3
8:23:45 AM	594.1	80.6	93.1	1.3
8:23:46 AM	594.2	78.8	92.9	1.3
8:23:47 AM	594.1	79.7	91.9	1.3
8:23:48 AM	594.1	78.8	90.8	1.3
8:23:49 AM	594.0	80.1	91.5	1.3
8:23:50 AM	594.0	79.8	92.6	1.3
8:23:51 AM	593.9	79.5	91.7	1.3
8:23:52 AM	593.8	80.5	91.2	1.3
8:23:53 AM	593.8	80.6	92.1	1.3
8:23:54 AM	593.7	79.7	91.9	1.3
8:23:55 AM	593.7	80.0	90.3	1.3
8:23:56 AM	593.8	80.6	92.2	1.3
8:23:57 AM	593.8	79.0	91.2	1.3
8:23:58 AM	593.7	80.5	90.5	1.3
8:23:59 AM	593.7	80.1	90.0	1.3
8:24:00 AM	593.7	79.5	89.9	1.3
8:24:01 AM	593.7	79.9	91.5	1.3
8:24:02 AM	593.6	79.6	89.7	1.3
8:24:03 AM	593.6	80.8	89.9	1.3
8:24:04 AM	593.6	80.5	89.7	1.3
8:24:05 AM	593.6	79.7	89.7	1.3
8:24:06 AM	593.5	80.2	89.4	1.3
8:24:07 AM	593.6	79.5	89.3	1.3
8:24:08 AM	594.0	79.6	89.7	1.3
Averages ->	595.1	79.6	93.8	1.3
			Maximum ->	1.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 350

Date 6/9/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
9:08:25 AM	598.2	82.3	84.7	1.4
9:08:26 AM	598.1	83.6	83.7	1.4
9:08:27 AM	598.2	84.3	83.7	1.3
9:08:28 AM	598.3	84.1	83.3	1.3
9:08:29 AM	598.2	82.9	84.2	1.3
9:08:30 AM	598.4	83.2	83.2	1.3
9:08:31 AM	598.2	83.1	83.7	1.3
9:08:32 AM	598.1	84.1	83.2	1.3
9:08:33 AM	598.2	84.1	83.9	1.3
9:08:34 AM	598.2	83.4	83.0	1.2
9:08:35 AM	598.2	83.3	83.2	1.2
9:08:36 AM	598.2	84.3	82.7	1.2
9:08:37 AM	598.3	82.7	83.8	1.2
9:08:38 AM	598.1	83.5	83.2	1.2
9:08:39 AM	598.1	83.2	83.2	1.2
9:08:40 AM	598.2	84.1	84.1	1.2
9:08:41 AM	598.1	82.6	84.0	1.2
9:08:42 AM	598.1	82.8	83.7	1.2
9:08:43 AM	598.1	83.7	83.1	1.2
9:08:44 AM	598.2	83.7	83.3	1.2
9:08:45 AM	598.0	83.0	84.0	1.2
9:08:46 AM	598.2	83.0	83.0	1.2
9:08:47 AM	597.9	83.7	84.5	1.2
9:08:48 AM	598.1	84.0	83.3	1.2
9:08:49 AM	598.0	82.8	83.8	1.1
9:08:50 AM	598.1	83.5	84.0	1.1
9:08:51 AM	598.2	83.3	83.7	1.1
9:08:52 AM	598.1	83.2	82.7	1.1
9:08:53 AM	598.1	83.0	82.7	1.1
9:08:54 AM	598.1	84.0	83.7	1.1
9:08:55 AM	598.1	81.9	83.6	1.1
9:08:56 AM	598.2	84.9	83.9	1.1
9:08:57 AM	598.1	83.7	82.5	1.1
9:08:58 AM	598.1	83.2	84.2	1.1
9:08:59 AM	598.1	83.8	83.5	1.1
9:09:00 AM	598.1	83.9	83.2	1.1
9:09:01 AM	598.1	83.9	83.1	1.1
9:09:02 AM	598.1	83.4	83.5	1.1
9:09:03 AM	598.2	83.5	83.7	1.1
9:09:04 AM	598.1	83.9	83.8	1.1
9:09:05 AM	598.0	83.7	83.8	1.1
9:09:06 AM	598.1	82.9	83.4	1.1
9:09:07 AM	598.1	82.6	84.3	1.1
9:09:08 AM	598.0	84.1	83.8	1.1
9:09:09 AM	598.0	83.2	83.9	1.1
9:09:10 AM	598.2	84.2	84.5	1.1
9:09:11 AM	598.1	83.0	83.5	1.1
9:09:12 AM	597.9	82.8	83.1	1.0
9:09:13 AM	598.1	83.1	82.8	1.0
9:09:14 AM	598.1	84.5	83.8	1.0
9:09:15 AM	598.2	82.3	83.6	1.0
9:09:16 AM	598.1	83.9	82.8	1.0
9:09:17 AM	598.1	83.3	84.3	1.0
9:09:18 AM	598.1	83.7	83.5	1.0
9:09:19 AM	598.1	82.3	83.8	1.0
9:09:20 AM	598.0	83.5	83.7	1.0
9:09:21 AM	598.0	83.9	83.5	1.0
9:09:22 AM	598.2	83.5	83.2	1.0
9:09:23 AM	597.9	84.0	84.5	1.0
9:09:24 AM	598.0	83.0	83.9	1.0
Averages ->	598.1	83.4	83.6	1.1
			Maximum ->	1.4

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 400

Date 6/9/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
9:59:12 AM	598.7	83.0	81.5	1.0
9:59:13 AM	598.7	82.9	81.8	1.0
9:59:14 AM	598.7	83.5	82.1	1.0
9:59:15 AM	598.6	83.9	81.9	1.0
9:59:16 AM	598.6	83.5	82.1	1.0
9:59:17 AM	598.6	83.0	82.1	1.0
9:59:18 AM	598.8	82.8	81.1	1.0
9:59:19 AM	598.5	83.4	81.5	1.0
9:59:20 AM	598.6	83.8	82.3	1.0
9:59:21 AM	598.6	83.7	81.5	1.0
9:59:22 AM	598.6	83.2	81.7	1.0
9:59:23 AM	598.6	82.9	82.0	1.0
9:59:24 AM	598.7	83.2	83.0	1.0
9:59:25 AM	598.7	82.8	82.1	1.0
9:59:26 AM	598.8	83.7	82.4	1.0
9:59:27 AM	598.7	83.0	81.7	1.0
9:59:28 AM	598.7	83.6	81.2	1.0
9:59:29 AM	598.8	83.2	80.8	1.0
9:59:30 AM	598.7	83.9	80.8	1.0
9:59:31 AM	598.6	83.9	81.7	1.0
9:59:32 AM	598.7	83.7	81.5	1.0
9:59:33 AM	598.6	83.3	81.2	1.0
9:59:34 AM	598.7	82.8	81.7	1.0
9:59:35 AM	598.6	83.4	81.5	1.0
9:59:36 AM	598.7	83.0	82.3	0.9
9:59:37 AM	598.7	83.1	82.3	1.0
9:59:38 AM	598.7	82.8	81.7	1.0
9:59:39 AM	598.6	83.0	82.1	1.0
9:59:40 AM	598.6	82.3	81.6	1.0
9:59:41 AM	598.7	84.1	80.9	1.0
9:59:42 AM	598.7	84.3	80.7	1.0
9:59:43 AM	598.7	82.4	81.7	1.0
9:59:44 AM	598.7	82.8	81.9	1.0
9:59:45 AM	598.6	83.9	81.5	1.0
9:59:46 AM	598.7	83.7	82.3	1.0
9:59:47 AM	598.6	83.7	81.2	1.0
9:59:48 AM	598.7	82.2	81.9	1.0
9:59:49 AM	598.6	83.4	82.3	1.0
9:59:50 AM	598.6	82.7	81.9	1.0
9:59:51 AM	598.7	82.8	81.5	1.0
9:59:52 AM	598.6	82.8	81.0	1.0
9:59:53 AM	598.6	82.6	82.4	1.0
9:59:54 AM	598.7	83.2	82.2	1.0
9:59:55 AM	598.7	82.3	81.6	1.0
9:59:56 AM	598.7	82.9	82.2	1.0
9:59:57 AM	598.7	82.6	81.5	1.0
9:59:58 AM	598.6	82.4	81.2	1.0
9:59:59 AM	598.6	83.4	81.9	1.0
10:00:00 AM	598.6	84.7	81.5	1.0
10:00:01 AM	598.7	83.1	82.2	1.0
10:00:02 AM	598.7	83.2	82.6	1.0
10:00:03 AM	598.7	83.4	82.0	1.0
10:00:04 AM	598.6	83.4	82.4	1.0
10:00:05 AM	598.6	83.9	81.4	1.0
10:00:06 AM	598.7	83.7	81.4	1.0
10:00:07 AM	598.6	83.5	82.0	1.0
10:00:08 AM	598.6	82.5	81.8	1.0
10:00:09 AM	598.7	83.5	81.9	1.0
10:00:10 AM	598.6	82.9	81.4	1.0
10:00:11 AM	598.7	83.0	82.2	1.0
Averages ->	598.7	83.2	81.8	1.0
			Maximum ->	1.0

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 450

Date 6/9/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
11:04:05 AM	598.4	79.9	78.7	0.1
11:04:06 AM	598.3	80.1	78.6	0.1
11:04:07 AM	598.4	79.3	78.6	0.0
11:04:08 AM	598.3	79.0	78.0	0.1
11:04:09 AM	598.3	79.4	78.6	0.2
11:04:10 AM	598.3	79.9	78.4	0.2
11:04:11 AM	598.4	79.9	78.3	0.2
11:04:12 AM	598.4	79.1	78.8	0.2
11:04:13 AM	598.3	78.4	77.2	0.2
11:04:14 AM	598.2	80.0	77.2	0.1
11:04:15 AM	598.4	79.7	77.9	0.1
11:04:16 AM	598.3	79.0	77.1	0.1
11:04:17 AM	598.4	79.1	78.2	0.1
11:04:18 AM	598.4	79.3	78.4	0.1
11:04:19 AM	598.4	80.0	78.5	0.2
11:04:20 AM	598.3	78.5	77.7	0.2
11:04:21 AM	598.3	79.7	78.4	0.2
11:04:22 AM	598.5	81.3	78.2	0.2
11:04:23 AM	598.4	79.4	77.5	0.2
11:04:24 AM	598.4	79.1	77.9	0.2
11:04:25 AM	598.4	79.0	78.3	0.2
11:04:26 AM	598.5	78.8	78.1	0.2
11:04:27 AM	598.4	80.1	77.4	0.2
11:04:28 AM	598.5	80.3	77.0	0.2
11:04:29 AM	598.3	79.5	78.2	0.2
11:04:30 AM	598.5	79.2	77.6	0.1
11:04:31 AM	598.4	80.3	78.4	0.1
11:04:32 AM	598.5	79.9	77.9	0.0
11:04:33 AM	598.4	79.2	78.5	0.1
11:04:34 AM	598.3	79.9	78.3	0.1
11:04:35 AM	598.4	79.1	78.8	0.1
11:04:36 AM	598.3	80.3	78.5	0.1
11:04:37 AM	598.4	79.5	78.3	0.1
11:04:38 AM	598.3	79.5	78.5	0.0
11:04:39 AM	598.3	79.7	78.5	0.1
11:04:40 AM	598.3	79.3	78.1	0.2
11:04:41 AM	598.4	79.6	79.1	0.2
11:04:42 AM	598.3	79.9	78.0	0.2
11:04:43 AM	598.4	78.6	78.3	0.2
11:04:44 AM	598.4	79.3	77.9	0.2
11:04:45 AM	598.3	78.3	78.3	0.2
11:04:46 AM	598.2	80.0	77.9	0.3
11:04:47 AM	598.2	79.6	77.5	0.3
11:04:48 AM	598.5	78.8	78.1	0.3
11:04:49 AM	598.2	80.6	78.1	0.3
11:04:50 AM	598.3	79.9	78.2	0.3
11:04:51 AM	598.4	80.0	78.6	0.3
11:04:52 AM	598.2	80.3	77.5	0.3
11:04:53 AM	598.5	80.6	78.7	0.3
11:04:54 AM	598.4	78.9	77.6	0.3
11:04:55 AM	598.3	79.6	78.3	0.3
11:04:56 AM	598.4	79.7	78.3	0.2
11:04:57 AM	598.3	79.1	79.5	0.2
11:04:58 AM	598.2	80.0	77.5	0.2
11:04:59 AM	598.4	78.8	79.0	0.2
11:05:00 AM	598.3	79.5	78.6	0.1
11:05:01 AM	598.3	79.5	78.0	0.1
11:05:02 AM	598.3	79.5	78.6	0.1
11:05:03 AM	598.3	78.8	78.4	0.1
11:05:04 AM	598.3	79.2	78.8	0.2
Averages ->	598.3	79.5	78.2	0.2
			Maximum ->	0.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 450

Date 6/9/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
2:48:03 PM	600.7	499.7	504.8	0.6
2:48:04 PM	600.6	498.6	505.8	0.5
2:48:05 PM	600.8	498.2	505.7	0.5
2:48:06 PM	600.8	499.6	504.7	0.5
2:48:07 PM	601.0	498.8	506.0	0.5
2:48:08 PM	601.0	499.1	505.8	0.5
2:48:09 PM	601.0	499.4	506.5	0.5
2:48:10 PM	601.1	499.6	506.4	0.5
2:48:11 PM	601.2	498.7	505.7	0.5
2:48:12 PM	601.2	499.6	505.8	0.5
2:48:13 PM	601.3	498.0	505.6	0.5
2:48:14 PM	601.3	498.0	506.0	0.5
2:48:15 PM	601.3	499.1	506.1	0.5
2:48:16 PM	601.4	499.1	505.9	0.5
2:48:17 PM	601.3	498.8	506.7	0.5
2:48:18 PM	601.4	499.6	506.0	0.5
2:48:19 PM	601.3	499.4	506.3	0.5
2:48:20 PM	601.5	499.8	505.9	0.5
2:48:21 PM	601.6	498.7	506.9	0.5
2:48:22 PM	601.5	498.7	507.2	0.5
2:48:23 PM	601.5	499.3	507.0	0.5
2:48:24 PM	601.6	498.9	506.8	0.5
2:48:25 PM	601.5	498.1	507.3	0.5
2:48:26 PM	601.6	499.4	506.7	0.5
2:48:27 PM	601.6	499.6	507.7	0.5
2:48:28 PM	601.6	498.2	506.9	0.5
2:48:29 PM	601.6	499.1	506.9	0.5
2:48:30 PM	601.6	497.5	507.5	0.5
2:48:31 PM	601.8	498.2	507.3	0.5
2:48:32 PM	601.5	498.0	507.3	0.5
2:48:33 PM	601.6	499.5	507.1	0.5
2:48:34 PM	601.8	498.2	507.9	0.5
2:48:35 PM	601.6	498.2	507.4	0.5
2:48:36 PM	601.8	498.5	507.0	0.5
2:48:37 PM	601.8	499.8	507.1	0.5
2:48:38 PM	601.7	499.0	507.7	0.5
2:48:39 PM	601.8	499.1	507.3	0.5
2:48:40 PM	601.7	498.1	508.5	0.5
2:48:41 PM	601.6	500.4	508.2	0.5
2:48:42 PM	601.8	498.6	508.5	0.5
2:48:43 PM	601.8	498.4	508.5	0.5
2:48:44 PM	601.8	498.6	508.0	0.5
2:48:45 PM	601.8	499.4	509.3	0.5
2:48:46 PM	601.9	498.5	507.7	0.5
2:48:47 PM	601.8	498.2	507.9	0.5
2:48:48 PM	601.7	498.5	508.2	0.5
2:48:49 PM	601.8	498.1	508.5	0.5
2:48:50 PM	601.8	498.9	509.1	0.5
2:48:51 PM	601.7	499.2	508.6	0.5
2:48:52 PM	601.8	499.7	508.8	0.5
2:48:53 PM	601.8	498.4	507.9	0.5
2:48:54 PM	601.7	498.9	509.1	0.5
2:48:55 PM	601.8	498.6	508.0	0.5
2:48:56 PM	601.8	499.0	507.3	0.5
2:48:57 PM	601.8	498.2	508.2	0.5
2:48:58 PM	601.8	500.1	508.5	0.5
2:48:59 PM	601.7	499.2	508.4	0.4
2:49:00 PM	601.8	499.2	507.6	0.4
2:49:01 PM	601.7	500.1	509.3	0.5
2:49:02 PM	601.8	498.9	509.4	0.5
Averages ->	601.5	498.9	507.3	0.5
			Maximum ->	0.6

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 500

Date 6/9/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
3:41:37 PM	600.1	499.2	501.1	0.8
3:41:38 PM	600.1	498.9	502.1	0.8
3:41:39 PM	600.2	499.1	501.3	0.8
3:41:40 PM	600.1	498.4	501.6	0.8
3:41:41 PM	600.1	499.4	501.9	0.8
3:41:42 PM	600.1	498.7	502.0	0.9
3:41:43 PM	600.2	499.2	502.6	0.9
3:41:44 PM	600.1	498.8	502.4	0.9
3:41:45 PM	600.2	498.5	501.9	0.9
3:41:46 PM	600.2	498.4	501.2	0.9
3:41:47 PM	600.1	499.8	501.0	0.8
3:41:48 PM	600.1	499.0	501.7	0.9
3:41:49 PM	600.3	498.2	500.6	0.9
3:41:50 PM	600.2	500.0	501.0	0.9
3:41:51 PM	600.1	499.9	502.1	0.8
3:41:52 PM	600.1	499.2	502.4	0.8
3:41:53 PM	600.3	498.6	502.6	0.8
3:41:54 PM	600.1	499.6	501.9	0.8
3:41:55 PM	600.3	500.2	502.2	0.8
3:41:56 PM	600.2	499.2	502.0	0.8
3:41:57 PM	600.2	500.0	501.2	0.8
3:41:58 PM	600.2	499.4	501.5	0.8
3:41:59 PM	600.3	498.8	501.8	0.8
3:42:00 PM	600.2	500.1	502.6	0.8
3:42:01 PM	600.2	499.1	501.9	0.8
3:42:02 PM	600.2	500.0	502.5	0.8
3:42:03 PM	600.1	498.9	501.4	0.8
3:42:04 PM	600.2	499.6	502.0	0.8
3:42:05 PM	600.2	499.2	501.9	0.8
3:42:06 PM	600.3	499.2	501.9	0.8
3:42:07 PM	600.2	498.6	501.7	0.8
3:42:08 PM	600.3	499.2	502.0	0.8
3:42:09 PM	600.3	499.8	501.8	0.8
3:42:10 PM	600.2	498.6	502.6	0.8
3:42:11 PM	600.2	499.9	502.0	0.8
3:42:12 PM	600.2	499.6	502.5	0.8
3:42:13 PM	600.3	499.9	502.4	0.8
3:42:14 PM	600.2	498.2	502.6	0.8
3:42:15 PM	600.3	500.4	502.0	0.8
3:42:16 PM	600.3	499.0	502.2	0.8
3:42:17 PM	600.3	499.6	501.8	0.8
3:42:18 PM	600.3	498.8	502.1	0.8
3:42:19 PM	600.3	499.0	502.3	0.8
3:42:20 PM	600.2	498.8	502.2	0.8
3:42:21 PM	600.2	500.0	501.5	0.8
3:42:22 PM	600.2	499.4	503.4	0.8
3:42:23 PM	600.2	499.2	502.6	0.8
3:42:24 PM	600.1	500.2	503.0	0.8
3:42:25 PM	600.3	498.4	502.0	0.8
3:42:26 PM	600.4	499.4	502.8	0.8
3:42:27 PM	600.3	499.6	502.6	0.8
3:42:28 PM	600.2	499.0	502.3	0.8
3:42:29 PM	600.3	499.3	501.6	0.8
3:42:30 PM	600.3	500.4	502.6	0.8
3:42:31 PM	600.2	499.3	502.5	0.8
3:42:32 PM	600.2	499.4	503.0	0.8
3:42:33 PM	600.1	498.7	502.4	0.8
3:42:34 PM	600.2	500.6	502.0	0.8
3:42:35 PM	600.2	499.5	501.9	0.8
3:42:36 PM	600.2	498.8	502.4	0.8
Averages ->	600.2	499.3	502.0	0.8
			Maximum ->	0.9

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 550

Date 6/9/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
4:40:31 PM	602.3	504.4	502.0	0.8
4:40:32 PM	602.4	504.4	502.4	0.8
4:40:33 PM	602.2	503.8	502.2	0.8
4:40:34 PM	602.3	504.3	502.3	0.8
4:40:35 PM	602.3	504.4	502.8	0.8
4:40:36 PM	602.1	504.4	502.4	0.8
4:40:37 PM	602.3	503.8	502.7	0.8
4:40:38 PM	602.1	503.4	503.0	0.8
4:40:39 PM	602.1	503.6	501.6	0.8
4:40:40 PM	602.1	503.2	502.5	0.8
4:40:41 PM	602.1	504.3	501.6	0.8
4:40:42 PM	602.2	504.2	503.0	0.8
4:40:43 PM	602.3	503.9	502.7	0.8
4:40:44 PM	602.2	504.1	502.0	0.8
4:40:45 PM	602.2	503.4	502.6	0.8
4:40:46 PM	602.1	503.8	502.1	0.8
4:40:47 PM	602.3	502.9	502.6	0.8
4:40:48 PM	602.2	503.2	502.2	0.8
4:40:49 PM	602.0	503.5	502.0	0.8
4:40:50 PM	602.1	503.5	501.9	0.7
4:40:51 PM	602.0	503.2	501.6	0.8
4:40:52 PM	602.1	503.6	501.7	0.8
4:40:53 PM	602.1	502.3	501.1	0.8
4:40:54 PM	602.3	503.1	502.4	0.8
4:40:55 PM	602.1	502.7	501.6	0.8
4:40:56 PM	602.0	503.1	503.4	0.8
4:40:57 PM	602.0	503.4	501.7	0.8
4:40:58 PM	602.0	502.9	501.8	0.7
4:40:59 PM	602.0	503.0	502.9	0.7
4:41:00 PM	602.0	504.2	501.5	0.7
4:41:01 PM	601.9	502.5	502.2	0.7
4:41:02 PM	602.0	502.4	501.9	0.8
4:41:03 PM	602.0	503.1	501.9	0.8
4:41:04 PM	601.8	502.5	501.8	0.7
4:41:05 PM	601.8	502.3	502.1	0.8
4:41:06 PM	601.8	502.5	502.5	0.8
4:41:07 PM	601.8	502.6	501.9	0.8
4:41:08 PM	601.8	502.5	502.5	0.8
4:41:09 PM	601.8	502.8	502.5	0.8
4:41:10 PM	601.7	502.4	502.2	0.8
4:41:11 PM	601.7	501.9	502.6	0.8
4:41:12 PM	601.7	501.5	502.2	0.8
4:41:13 PM	601.7	501.6	501.7	0.8
4:41:14 PM	601.7	502.1	501.7	0.8
4:41:15 PM	601.7	502.3	501.2	0.8
4:41:16 PM	601.6	502.1	502.0	0.8
4:41:17 PM	601.7	502.3	501.4	0.8
4:41:18 PM	601.6	502.6	502.1	0.8
4:41:19 PM	601.7	501.5	501.2	0.8
4:41:20 PM	601.5	501.7	501.7	0.8
4:41:21 PM	601.5	502.2	502.3	0.8
4:41:22 PM	601.5	501.7	501.0	0.8
4:41:23 PM	601.4	502.0	501.2	0.8
4:41:24 PM	601.3	502.1	500.9	0.8
4:41:25 PM	601.5	500.5	501.2	0.8
4:41:26 PM	601.3	501.5	500.8	0.8
4:41:27 PM	601.3	501.4	501.7	0.8
4:41:28 PM	601.3	501.5	501.8	0.8
4:41:29 PM	601.3	500.9	501.0	0.8
4:41:30 PM	601.2	500.8	501.4	0.8
Averages ->	601.9	502.8	502.0	0.8
			Maximum ->	0.8

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 600

Date 6/9/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
5:37:14 PM	598.7	498.7	498.7	0.3
5:37:15 PM	598.6	499.1	498.1	0.3
5:37:16 PM	598.6	499.0	498.3	0.3
5:37:17 PM	598.6	498.9	498.2	0.3
5:37:18 PM	598.6	498.6	497.9	0.3
5:37:19 PM	598.7	497.4	497.5	0.3
5:37:20 PM	598.5	498.9	497.7	0.3
5:37:21 PM	598.6	498.5	497.5	0.3
5:37:22 PM	598.5	498.0	497.9	0.3
5:37:23 PM	598.5	499.1	497.9	0.3
5:37:24 PM	598.6	498.8	497.3	0.3
5:37:25 PM	598.6	499.8	497.7	0.3
5:37:26 PM	598.3	498.7	497.7	0.3
5:37:27 PM	598.6	498.9	497.7	0.3
5:37:28 PM	598.4	498.4	497.8	0.4
5:37:29 PM	598.5	498.8	496.1	0.3
5:37:30 PM	598.4	497.9	497.0	0.3
5:37:31 PM	598.5	498.3	496.4	0.3
5:37:32 PM	598.4	499.2	497.1	0.3
5:37:33 PM	598.3	496.7	497.7	0.3
5:37:34 PM	598.5	499.4	496.8	0.3
5:37:35 PM	598.4	498.5	497.1	0.3
5:37:36 PM	598.4	498.9	497.3	0.3
5:37:37 PM	598.5	498.8	497.2	0.3
5:37:38 PM	598.5	499.1	496.0	0.3
5:37:39 PM	598.3	497.7	496.7	0.3
5:37:40 PM	598.4	499.0	497.5	0.3
5:37:41 PM	598.4	498.2	496.9	0.3
5:37:42 PM	598.4	499.3	497.2	0.3
5:37:43 PM	598.4	498.9	496.7	0.3
5:37:44 PM	598.4	499.3	495.2	0.3
5:37:45 PM	598.3	498.5	496.9	0.3
5:37:46 PM	598.4	498.3	496.7	0.3
5:37:47 PM	598.4	498.9	496.8	0.3
5:37:48 PM	598.4	497.9	496.7	0.3
5:37:49 PM	598.5	499.3	496.6	0.3
5:37:50 PM	598.3	499.5	496.8	0.3
5:37:51 PM	598.4	497.8	496.3	0.3
5:37:52 PM	598.5	499.3	495.3	0.3
5:37:53 PM	598.5	499.0	496.5	0.3
5:37:54 PM	598.4	498.2	496.7	0.3
5:37:55 PM	598.4	499.5	495.9	0.3
5:37:56 PM	598.5	498.3	496.1	0.4
5:37:57 PM	598.6	499.9	496.3	0.4
5:37:58 PM	598.6	499.9	496.1	0.4
5:37:59 PM	598.4	499.1	496.7	0.4
5:38:00 PM	598.6	498.6	496.7	0.4
5:38:01 PM	598.6	499.0	496.7	0.4
5:38:02 PM	598.4	499.0	496.2	0.4
5:38:03 PM	598.5	499.5	496.0	0.4
5:38:04 PM	598.6	499.9	496.3	0.4
5:38:05 PM	598.5	499.2	496.7	0.4
5:38:06 PM	598.6	499.0	496.6	0.4
5:38:07 PM	598.6	499.3	496.0	0.4
5:38:08 PM	598.6	499.9	495.5	0.3
5:38:09 PM	598.6	498.9	496.7	0.3
5:38:10 PM	598.7	499.9	497.7	0.3
5:38:11 PM	598.6	499.5	496.6	0.4
5:38:12 PM	598.8	499.5	496.1	0.4
5:38:13 PM	598.7	500.9	496.5	0.4
Averages ->	598.5	498.9	496.9	0.3
			Maximum ->	0.4

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 600

Date 6/10/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
8:15:18 AM	603.6	82.0	86.6	1.0
8:15:19 AM	603.8	81.5	87.0	1.0
8:15:20 AM	603.7	81.6	85.2	1.0
8:15:21 AM	603.8	81.2	86.0	1.0
8:15:22 AM	603.6	81.7	85.7	1.0
8:15:23 AM	603.6	81.9	85.8	1.0
8:15:24 AM	603.7	81.0	85.5	1.0
8:15:25 AM	603.8	81.0	85.2	1.0
8:15:26 AM	603.7	81.1	86.3	1.0
8:15:27 AM	603.7	81.0	86.0	1.0
8:15:28 AM	603.6	82.3	86.0	1.0
8:15:29 AM	603.7	80.7	86.1	1.0
8:15:30 AM	603.7	81.0	86.6	1.0
8:15:31 AM	603.7	81.8	86.2	1.0
8:15:32 AM	603.7	81.9	86.6	1.0
8:15:33 AM	603.7	81.2	86.3	1.0
8:15:34 AM	603.7	81.9	87.9	1.0
8:15:35 AM	603.5	82.0	86.5	1.0
8:15:36 AM	603.7	81.3	86.3	1.0
8:15:37 AM	603.8	80.7	86.2	1.0
8:15:38 AM	603.6	81.1	86.2	1.0
8:15:39 AM	603.7	81.5	86.2	1.0
8:15:40 AM	603.6	81.4	86.5	1.0
8:15:41 AM	603.6	80.8	86.0	1.0
8:15:42 AM	603.6	81.6	86.3	1.0
8:15:43 AM	603.6	80.8	85.7	1.0
8:15:44 AM	603.6	80.0	84.9	1.0
8:15:45 AM	603.6	81.2	86.4	1.0
8:15:46 AM	603.7	81.7	87.0	1.0
8:15:47 AM	603.5	81.7	85.5	1.0
8:15:48 AM	603.6	80.5	85.5	1.0
8:15:49 AM	603.7	82.7	85.9	1.0
8:15:50 AM	603.6	81.3	85.8	1.0
8:15:51 AM	603.7	81.4	85.4	1.0
8:15:52 AM	603.5	80.8	86.5	1.0
8:15:53 AM	603.6	82.4	85.5	1.0
8:15:54 AM	603.7	80.8	86.9	1.0
8:15:55 AM	603.8	81.4	86.2	1.0
8:15:56 AM	603.8	80.2	86.2	1.0
8:15:57 AM	603.5	81.0	86.8	1.0
8:15:58 AM	603.8	80.8	86.6	1.0
8:15:59 AM	603.6	81.9	87.2	1.0
8:16:00 AM	603.7	82.8	85.5	1.0
8:16:01 AM	603.7	81.5	85.7	1.0
8:16:02 AM	603.6	82.4	85.7	1.1
8:16:03 AM	603.6	81.2	86.6	1.0
8:16:04 AM	603.6	80.6	86.5	1.0
8:16:05 AM	603.7	81.8	86.2	1.1
8:16:06 AM	603.6	81.0	86.8	1.0
8:16:07 AM	603.7	80.8	86.1	1.1
8:16:08 AM	603.8	81.0	85.3	1.0
8:16:09 AM	603.7	80.8	86.1	1.1
8:16:10 AM	603.6	80.8	86.6	1.0
8:16:11 AM	603.7	80.8	86.1	1.1
8:16:12 AM	603.7	81.9	85.9	1.0
8:16:13 AM	603.6	80.8	85.1	1.0
8:16:14 AM	603.5	80.9	85.5	1.0
8:16:15 AM	603.6	81.1	85.8	1.0
8:16:16 AM	603.6	81.9	85.9	1.0
8:16:17 AM	603.5	80.6	86.3	1.0
Averages ->	603.7	81.3	86.1	1.0
			Maximum ->	1.1

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 650

Date 6/10/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
9:05:37 AM	598.8	84.3	84.6	1.2
9:05:38 AM	598.9	84.3	84.7	1.2
9:05:39 AM	598.8	83.8	84.1	1.2
9:05:40 AM	598.7	83.8	84.6	1.2
9:05:41 AM	598.7	84.6	85.1	1.2
9:05:42 AM	598.8	83.1	83.7	1.2
9:05:43 AM	598.8	84.2	85.2	1.2
9:05:44 AM	598.7	84.3	84.1	1.2
9:05:45 AM	598.8	85.5	84.5	1.2
9:05:46 AM	598.7	83.3	83.6	1.2
9:05:47 AM	598.8	84.3	84.6	1.2
9:05:48 AM	598.9	83.5	85.6	1.2
9:05:49 AM	598.7	83.7	84.2	1.2
9:05:50 AM	598.8	84.1	85.0	1.2
9:05:51 AM	598.8	84.3	85.4	1.2
9:05:52 AM	598.7	84.2	85.2	1.2
9:05:53 AM	598.7	84.1	84.0	1.2
9:05:54 AM	598.8	83.7	84.1	1.2
9:05:55 AM	598.8	83.5	83.2	1.2
9:05:56 AM	598.7	84.1	84.3	1.2
9:05:57 AM	598.8	83.9	85.2	1.2
9:05:58 AM	598.8	83.2	84.3	1.2
9:05:59 AM	598.9	84.2	85.5	1.2
9:06:00 AM	598.8	83.5	84.1	1.2
9:06:01 AM	598.7	83.7	83.9	1.2
9:06:02 AM	598.8	84.0	84.9	1.2
9:06:03 AM	598.8	83.9	85.0	1.2
9:06:04 AM	598.8	84.6	84.8	1.2
9:06:05 AM	598.8	83.6	84.3	1.1
9:06:06 AM	598.9	84.6	85.2	1.2
9:06:07 AM	598.7	84.4	84.8	1.2
9:06:08 AM	598.8	83.5	85.0	1.2
9:06:09 AM	598.8	84.5	83.3	1.2
9:06:10 AM	598.8	83.5	84.5	1.2
9:06:11 AM	598.7	83.7	84.6	1.2
9:06:12 AM	598.8	84.3	85.5	1.2
9:06:13 AM	598.6	83.8	84.7	1.2
9:06:14 AM	598.8	83.5	84.8	1.2
9:06:15 AM	598.7	84.1	84.1	1.2
9:06:16 AM	598.8	83.9	84.4	1.2
9:06:17 AM	598.9	83.9	84.0	1.2
9:06:18 AM	598.8	82.8	84.6	1.2
9:06:19 AM	598.8	84.4	85.0	1.2
9:06:20 AM	598.7	83.5	85.1	1.2
9:06:21 AM	598.7	83.8	85.0	1.2
9:06:22 AM	598.7	83.7	84.9	1.2
9:06:23 AM	598.8	84.1	84.6	1.2
9:06:24 AM	598.7	84.1	84.6	1.2
9:06:25 AM	598.8	82.5	84.9	1.2
9:06:26 AM	598.8	83.2	84.7	1.2
9:06:27 AM	598.8	83.4	85.3	1.2
9:06:28 AM	598.7	83.8	85.2	1.2
9:06:29 AM	598.7	84.8	83.7	1.2
9:06:30 AM	598.6	83.7	84.5	1.2
9:06:31 AM	598.7	84.3	84.5	1.2
9:06:32 AM	598.8	83.6	85.2	1.2
9:06:33 AM	598.8	84.0	84.2	1.2
9:06:34 AM	598.7	83.7	84.8	1.2
9:06:35 AM	598.8	84.3	85.2	1.2
9:06:36 AM	598.8	84.3	84.2	1.1
Averages ->	598.8	83.9	84.6	1.2
			Maximum ->	1.2

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 700

Date 6/10/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
9:47:15 AM	599.8	87.9	84.4	1.3
9:47:16 AM	599.9	86.4	84.3	1.2
9:47:17 AM	599.8	88.2	85.0	1.2
9:47:18 AM	599.8	87.1	84.8	1.2
9:47:19 AM	599.8	87.0	84.0	1.2
9:47:20 AM	599.7	87.4	84.9	1.1
9:47:21 AM	599.8	87.0	85.4	1.1
9:47:22 AM	599.7	86.6	85.7	1.1
9:47:23 AM	599.8	87.2	84.8	1.1
9:47:24 AM	599.8	88.0	85.5	1.1
9:47:25 AM	599.8	86.6	85.1	1.1
9:47:26 AM	599.8	87.2	83.7	1.1
9:47:27 AM	599.7	87.0	84.7	1.1
9:47:28 AM	599.8	86.9	84.8	1.1
9:47:29 AM	599.8	87.5	84.1	1.1
9:47:30 AM	599.8	88.1	84.8	1.1
9:47:31 AM	599.7	87.3	83.9	1.1
9:47:32 AM	599.8	86.3	84.6	1.1
9:47:33 AM	599.8	86.8	85.4	1.1
9:47:34 AM	599.7	86.6	84.8	1.1
9:47:35 AM	599.8	87.8	84.6	1.1
9:47:36 AM	599.7	86.5	83.7	1.1
9:47:37 AM	599.9	86.8	84.6	1.1
9:47:38 AM	599.8	87.2	84.1	1.1
9:47:39 AM	599.8	87.8	83.7	1.1
9:47:40 AM	599.6	86.3	84.7	1.1
9:47:41 AM	599.7	88.1	85.0	1.1
9:47:42 AM	599.8	87.4	84.4	1.1
9:47:43 AM	599.7	86.3	84.6	1.1
9:47:44 AM	599.9	86.4	85.5	1.1
9:47:45 AM	599.7	87.0	85.2	1.1
9:47:46 AM	599.7	88.0	84.1	1.1
9:47:47 AM	599.8	87.2	85.0	1.1
9:47:48 AM	599.8	87.6	84.3	1.1
9:47:49 AM	599.8	86.7	84.8	1.1
9:47:50 AM	599.8	86.4	84.1	1.1
9:47:51 AM	599.8	87.0	84.6	1.1
9:47:52 AM	599.7	86.6	84.6	1.1
9:47:53 AM	599.8	88.2	84.3	1.1
9:47:54 AM	599.8	87.1	84.0	1.1
9:47:55 AM	599.7	87.0	84.9	1.1
9:47:56 AM	599.7	86.4	85.0	1.1
9:47:57 AM	599.7	85.5	84.7	1.1
9:47:58 AM	599.8	86.8	84.9	1.1
9:47:59 AM	599.8	87.5	85.5	1.1
9:48:00 AM	599.8	85.9	85.8	1.1
9:48:01 AM	599.8	87.2	84.9	1.1
9:48:02 AM	599.8	86.6	85.6	1.1
9:48:03 AM	599.7	87.2	84.8	1.1
9:48:04 AM	599.7	87.2	85.2	1.1
9:48:05 AM	599.6	87.0	84.6	1.1
9:48:06 AM	599.8	86.6	84.3	1.0
9:48:07 AM	599.9	86.7	85.5	1.0
9:48:08 AM	599.8	87.0	85.3	1.1
9:48:09 AM	599.8	87.9	84.6	1.1
9:48:10 AM	599.9	86.8	84.5	1.0
9:48:11 AM	599.7	87.1	84.4	1.0
9:48:12 AM	599.7	86.8	85.0	1.0
9:48:13 AM	600.0	87.0	84.6	1.0
9:48:14 AM	601.0	87.1	84.8	1.0
Averages ->	599.8	87.0	84.7	1.1
			Maximum ->	1.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 750

Date 6/10/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
10:26:39 AM	601.1	90.4	85.5	1.6
10:26:40 AM	601.1	90.1	85.7	1.6
10:26:41 AM	601.2	90.7	85.6	1.6
10:26:42 AM	601.2	89.6	85.1	1.6
10:26:43 AM	601.4	90.0	85.2	1.6
10:26:44 AM	601.1	90.2	85.3	1.6
10:26:45 AM	601.1	90.3	84.6	1.6
10:26:46 AM	601.2	90.8	85.4	1.6
10:26:47 AM	601.2	90.1	85.9	1.6
10:26:48 AM	601.2	89.8	84.8	1.6
10:26:49 AM	601.3	89.2	85.3	1.6
10:26:50 AM	601.2	90.0	85.3	1.6
10:26:51 AM	601.2	89.5	85.0	1.6
10:26:52 AM	601.2	90.2	85.0	1.5
10:26:53 AM	601.2	90.7	84.7	1.5
10:26:54 AM	601.2	89.7	85.2	1.5
10:26:55 AM	601.3	89.9	86.6	1.5
10:26:56 AM	601.2	91.2	84.7	1.5
10:26:57 AM	601.3	90.4	84.6	1.5
10:26:58 AM	601.3	90.0	85.3	1.4
10:26:59 AM	601.2	89.5	85.7	1.4
10:27:00 AM	601.2	91.1	85.4	1.4
10:27:01 AM	601.3	89.3	85.9	1.4
10:27:02 AM	601.2	90.5	85.9	1.3
10:27:03 AM	601.2	90.7	85.7	1.3
10:27:04 AM	601.3	90.1	84.6	1.3
10:27:05 AM	601.2	90.8	85.0	1.3
10:27:06 AM	601.2	89.9	85.5	1.3
10:27:07 AM	601.3	89.9	85.9	1.3
10:27:08 AM	601.2	89.8	84.8	1.3
10:27:09 AM	601.2	90.5	84.3	1.2
10:27:10 AM	601.4	90.4	85.4	1.2
10:27:11 AM	601.3	89.9	85.0	1.2
10:27:12 AM	601.2	90.5	84.1	1.1
10:27:13 AM	601.2	90.2	85.5	1.2
10:27:14 AM	601.2	90.5	85.0	1.2
10:27:15 AM	601.4	90.3	85.5	1.2
10:27:16 AM	601.3	90.5	83.9	1.2
10:27:17 AM	601.3	90.1	84.6	1.2
10:27:18 AM	601.2	90.3	85.5	1.2
10:27:19 AM	601.2	89.4	85.7	1.2
10:27:20 AM	601.2	90.3	84.6	1.3
10:27:21 AM	601.2	89.9	85.2	1.3
10:27:22 AM	601.2	89.9	85.7	1.2
10:27:23 AM	601.2	89.4	85.0	1.2
10:27:24 AM	601.4	90.5	85.8	1.3
10:27:25 AM	601.3	90.0	84.8	1.3
10:27:26 AM	601.2	89.9	84.8	1.3
10:27:27 AM	601.2	90.4	85.5	1.2
10:27:28 AM	601.2	89.9	86.1	1.2
10:27:29 AM	601.2	89.9	85.5	1.2
10:27:30 AM	601.2	90.1	85.1	1.2
10:27:31 AM	601.2	89.4	85.7	1.2
10:27:32 AM	601.4	89.7	85.0	1.2
10:27:33 AM	601.3	90.1	85.5	1.2
10:27:34 AM	601.4	90.3	85.5	1.2
10:27:35 AM	601.4	90.1	84.5	1.2
10:27:36 AM	601.3	90.8	84.6	1.2
10:27:37 AM	601.4	89.6	85.1	1.2
10:27:38 AM	601.3	90.5	85.0	1.2
Averages ->	601.2	90.1	85.2	1.3
			Maximum ->	1.6

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 750

Date 6/10/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
12:36:53 PM	599.6	497.8	504.1	1.7
12:36:54 PM	599.6	499.1	504.5	1.7
12:36:55 PM	599.8	499.2	503.9	1.7
12:36:56 PM	599.8	498.2	503.6	1.7
12:36:57 PM	599.8	497.5	504.2	1.7
12:36:58 PM	599.8	498.3	503.4	1.7
12:36:59 PM	599.8	497.9	505.6	1.7
12:37:00 PM	599.8	498.7	504.2	1.7
12:37:01 PM	599.8	499.0	503.1	1.7
12:37:02 PM	599.8	499.7	503.1	1.7
12:37:03 PM	599.8	499.5	504.4	1.7
12:37:04 PM	599.8	499.8	503.9	1.7
12:37:05 PM	599.9	500.1	502.7	1.7
12:37:06 PM	599.6	500.1	505.1	1.7
12:37:07 PM	599.8	498.9	503.3	1.6
12:37:08 PM	599.8	499.5	503.6	1.6
12:37:09 PM	599.8	499.8	502.8	1.6
12:37:10 PM	599.8	499.8	503.5	1.6
12:37:11 PM	599.8	500.1	503.8	1.7
12:37:12 PM	600.0	497.9	504.5	1.7
12:37:13 PM	599.8	499.4	504.1	1.7
12:37:14 PM	599.9	499.5	503.3	1.7
12:37:15 PM	599.9	499.5	504.0	1.7
12:37:16 PM	599.9	499.5	504.9	1.7
12:37:17 PM	599.9	500.2	504.3	1.7
12:37:18 PM	600.0	499.7	503.5	1.8
12:37:19 PM	600.0	500.3	504.4	1.8
12:37:20 PM	600.0	500.3	503.5	1.8
12:37:21 PM	600.0	499.3	504.3	1.9
12:37:22 PM	599.9	500.3	504.5	1.9
12:37:23 PM	600.0	499.7	502.8	1.9
12:37:24 PM	599.9	498.9	504.0	2.0
12:37:25 PM	600.0	501.2	504.0	2.0
12:37:26 PM	599.9	500.6	503.1	2.0
12:37:27 PM	599.9	500.3	503.4	2.0
12:37:28 PM	600.0	499.3	503.7	2.0
12:37:29 PM	600.0	499.6	504.0	2.0
12:37:30 PM	599.8	499.7	503.2	2.0
12:37:31 PM	600.1	500.2	504.3	2.0
12:37:32 PM	600.1	500.2	504.3	2.1
12:37:33 PM	600.0	499.6	503.4	2.1
12:37:34 PM	600.2	500.5	504.3	2.1
12:37:35 PM	600.0	500.4	504.2	2.1
12:37:36 PM	600.1	500.7	504.6	2.2
12:37:37 PM	599.9	499.2	504.1	2.2
12:37:38 PM	599.9	499.9	504.5	2.3
12:37:39 PM	600.1	499.3	504.5	2.3
12:37:40 PM	599.9	500.3	504.2	2.3
12:37:41 PM	600.1	499.9	503.6	2.3
12:37:42 PM	599.9	500.0	503.9	2.3
12:37:43 PM	600.0	500.2	504.5	2.4
12:37:44 PM	600.0	498.9	503.4	2.4
12:37:45 PM	600.0	500.3	504.1	2.4
12:37:46 PM	600.0	499.9	503.8	2.4
12:37:47 PM	600.0	498.7	504.2	2.4
12:37:48 PM	599.8	500.1	504.0	2.4
12:37:49 PM	600.0	499.1	504.6	2.5
12:37:50 PM	600.1	498.6	503.8	2.5
12:37:51 PM	600.0	498.7	504.5	2.5
12:37:52 PM	600.1	499.7	503.6	2.5
Averages ->	599.9	499.5	503.9	2.0
			Maximum ->	2.5

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 800

Date 6/10/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
1:27:37 PM	603.7	499.1	501.2	2.3
1:27:38 PM	603.8	498.7	500.6	2.2
1:27:39 PM	603.8	499.5	500.2	2.2
1:27:40 PM	604.0	498.5	500.2	2.2
1:27:41 PM	603.8	499.2	500.1	2.2
1:27:42 PM	603.9	498.5	500.2	2.2
1:27:43 PM	603.9	499.6	500.2	2.2
1:27:44 PM	604.1	498.7	500.5	2.2
1:27:45 PM	603.8	498.7	499.6	2.2
1:27:46 PM	604.0	498.8	499.6	2.2
1:27:47 PM	604.0	499.6	500.0	2.2
1:27:48 PM	604.0	499.3	499.6	2.2
1:27:49 PM	603.9	499.8	499.9	2.1
1:27:50 PM	603.9	499.5	500.1	2.1
1:27:51 PM	603.9	499.1	500.5	2.1
1:27:52 PM	603.9	500.5	500.0	2.1
1:27:53 PM	603.8	499.1	500.2	2.1
1:27:54 PM	603.8	498.9	499.8	2.1
1:27:55 PM	604.0	498.8	499.8	2.1
1:27:56 PM	603.9	499.2	500.2	2.1
1:27:57 PM	604.0	499.2	499.8	2.1
1:27:58 PM	604.0	499.4	499.9	2.1
1:27:59 PM	604.1	499.7	500.9	2.1
1:28:00 PM	604.0	499.3	500.1	2.1
1:28:01 PM	604.0	499.9	500.6	2.1
1:28:02 PM	604.0	499.2	500.0	2.1
1:28:03 PM	604.0	498.9	499.4	2.1
1:28:04 PM	604.0	499.3	500.3	2.1
1:28:05 PM	604.0	499.6	500.3	2.1
1:28:06 PM	604.0	499.5	499.8	2.1
1:28:07 PM	603.9	499.0	500.5	2.1
1:28:08 PM	604.0	499.5	500.0	2.0
1:28:09 PM	604.1	500.4	500.8	2.0
1:28:10 PM	604.3	500.4	500.2	2.0
1:28:11 PM	604.2	499.9	500.3	2.0
1:28:12 PM	604.2	499.7	500.0	2.0
1:28:13 PM	604.2	500.2	500.9	2.0
1:28:14 PM	604.2	499.8	499.8	2.0
1:28:15 PM	604.2	499.7	500.0	2.0
1:28:16 PM	604.1	501.0	500.7	2.0
1:28:17 PM	604.2	499.3	500.2	2.0
1:28:18 PM	604.1	500.7	500.8	1.9
1:28:19 PM	604.2	501.8	501.3	1.9
1:28:20 PM	604.0	500.5	500.8	1.9
1:28:21 PM	604.0	500.5	500.3	1.9
1:28:22 PM	604.2	500.3	500.5	1.9
1:28:23 PM	604.2	500.5	499.8	1.9
1:28:24 PM	604.1	499.8	500.5	2.0
1:28:25 PM	604.2	499.9	500.1	2.0
1:28:26 PM	604.3	501.3	499.4	2.0
1:28:27 PM	604.3	500.1	500.0	2.0
1:28:28 PM	604.1	500.1	500.3	2.0
1:28:29 PM	604.2	500.3	501.3	2.0
1:28:30 PM	604.2	499.9	500.3	2.0
1:28:31 PM	604.1	499.5	500.0	2.0
1:28:32 PM	604.1	500.0	500.5	2.0
1:28:33 PM	604.0	500.3	501.5	2.0
1:28:34 PM	604.2	499.7	500.4	2.0
1:28:35 PM	604.2	499.4	499.8	2.0
1:28:36 PM	604.2	500.8	500.9	2.0
Averages ->	604.0	499.7	500.3	2.1
			Maximum ->	2.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 850

Date 6/10/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
2:20:14 PM	601.1	500.1	501.0	1.1
2:20:15 PM	601.0	500.0	501.2	1.1
2:20:16 PM	601.0	499.4	502.0	1.1
2:20:17 PM	600.9	500.4	502.5	1.1
2:20:18 PM	601.0	498.9	502.3	1.1
2:20:19 PM	601.0	498.9	502.8	1.1
2:20:20 PM	601.1	499.0	501.8	1.1
2:20:21 PM	601.1	499.9	502.9	1.1
2:20:22 PM	601.2	499.6	502.0	1.1
2:20:23 PM	601.1	499.6	502.0	1.1
2:20:24 PM	601.1	499.0	502.5	1.0
2:20:25 PM	601.2	498.9	502.7	1.0
2:20:26 PM	601.1	499.7	503.3	1.1
2:20:27 PM	601.1	499.8	502.0	1.1
2:20:28 PM	601.1	500.3	503.5	1.1
2:20:29 PM	601.1	499.8	502.3	1.1
2:20:30 PM	601.0	499.5	503.5	1.1
2:20:31 PM	601.0	499.9	502.7	1.1
2:20:32 PM	601.0	499.9	502.9	1.1
2:20:33 PM	601.1	500.3	501.2	1.1
2:20:34 PM	600.9	500.7	503.2	1.1
2:20:35 PM	601.2	498.9	503.1	1.1
2:20:36 PM	601.1	499.9	502.7	1.1
2:20:37 PM	601.0	499.8	503.5	1.1
2:20:38 PM	601.2	499.5	503.1	1.1
2:20:39 PM	601.1	499.6	502.6	1.1
2:20:40 PM	601.1	500.1	502.1	1.1
2:20:41 PM	601.0	499.1	503.0	1.1
2:20:42 PM	601.2	500.0	502.7	1.0
2:20:43 PM	601.2	500.3	502.2	1.0
2:20:44 PM	601.1	499.3	502.5	1.0
2:20:45 PM	601.2	499.3	503.0	1.0
2:20:46 PM	601.3	499.7	501.6	1.0
2:20:47 PM	601.1	499.5	503.7	1.0
2:20:48 PM	601.1	499.7	502.5	1.0
2:20:49 PM	600.9	499.9	502.2	1.0
2:20:50 PM	601.2	498.9	503.0	1.0
2:20:51 PM	601.2	499.9	502.7	1.0
2:20:52 PM	601.1	499.0	502.4	1.0
2:20:53 PM	601.2	499.9	501.6	1.0
2:20:54 PM	601.1	499.7	502.2	1.0
2:20:55 PM	601.3	499.9	502.5	1.0
2:20:56 PM	601.3	498.9	502.9	1.0
2:20:57 PM	601.2	499.7	503.3	1.0
2:20:58 PM	601.1	499.7	501.9	1.0
2:20:59 PM	601.2	498.5	502.5	1.0
2:21:00 PM	601.3	499.6	501.6	1.0
2:21:01 PM	601.0	499.9	502.3	1.0
2:21:02 PM	601.2	500.1	502.9	1.0
2:21:03 PM	601.2	499.9	501.7	1.0
2:21:04 PM	601.3	499.8	502.5	1.0
2:21:05 PM	601.2	500.5	502.0	1.0
2:21:06 PM	601.3	499.6	503.2	1.0
2:21:07 PM	601.4	500.1	502.0	1.0
2:21:08 PM	601.2	498.9	503.5	1.0
2:21:09 PM	601.4	498.4	502.1	1.0
2:21:10 PM	601.1	500.3	503.3	1.0
2:21:11 PM	601.3	499.3	501.5	1.0
2:21:12 PM	601.3	499.3	502.7	1.0
2:21:13 PM	601.1	499.4	502.2	1.0
Averages ->	601.1	499.6	502.5	1.0
			Maximum ->	1.1

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 900

Date 6/10/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
3:41:50 PM	600.0	499.2	502.3	1.4
3:41:51 PM	600.1	499.5	502.1	1.4
3:41:52 PM	600.1	500.3	503.1	1.4
3:41:53 PM	600.0	499.5	501.8	1.4
3:41:54 PM	600.1	498.9	502.6	1.4
3:41:55 PM	600.1	499.9	502.7	1.4
3:41:56 PM	600.1	500.5	502.0	1.4
3:41:57 PM	600.2	500.2	501.3	1.4
3:41:58 PM	600.0	500.1	502.4	1.4
3:41:59 PM	600.0	498.6	502.9	1.4
3:42:00 PM	600.1	500.4	502.3	1.4
3:42:01 PM	600.1	499.3	502.4	1.4
3:42:02 PM	600.0	498.9	501.5	1.3
3:42:03 PM	600.3	499.8	503.2	1.3
3:42:04 PM	600.0	500.0	502.6	1.3
3:42:05 PM	600.3	499.3	502.9	1.3
3:42:06 PM	600.0	498.9	502.5	1.4
3:42:07 PM	600.1	500.5	502.5	1.4
3:42:08 PM	600.0	500.0	502.0	1.4
3:42:09 PM	600.0	500.5	502.5	1.4
3:42:10 PM	600.0	499.0	502.0	1.4
3:42:11 PM	600.3	500.8	501.8	1.3
3:42:12 PM	600.3	499.0	502.6	1.3
3:42:13 PM	600.1	498.9	502.7	1.3
3:42:14 PM	600.1	499.0	502.7	1.3
3:42:15 PM	600.2	499.9	503.7	1.3
3:42:16 PM	600.1	500.3	503.3	1.3
3:42:17 PM	600.1	499.5	502.9	1.3
3:42:18 PM	600.1	498.8	501.5	1.3
3:42:19 PM	600.2	499.6	502.4	1.3
3:42:20 PM	600.1	500.2	503.0	1.3
3:42:21 PM	600.2	500.5	502.9	1.3
3:42:22 PM	600.0	500.7	502.7	1.3
3:42:23 PM	600.1	498.9	501.8	1.3
3:42:24 PM	600.0	498.5	502.8	1.3
3:42:25 PM	600.2	499.7	502.7	1.3
3:42:26 PM	600.1	499.5	502.7	1.3
3:42:27 PM	600.2	500.1	503.0	1.3
3:42:28 PM	600.1	499.7	502.2	1.3
3:42:29 PM	600.1	498.7	502.3	1.3
3:42:30 PM	600.2	499.5	502.3	1.3
3:42:31 PM	600.0	498.7	501.1	1.3
3:42:32 PM	600.1	499.2	503.3	1.3
3:42:33 PM	598.9	499.2	503.4	1.3
3:42:34 PM	600.1	499.0	503.3	1.3
3:42:35 PM	600.0	499.6	502.4	1.3
3:42:36 PM	600.1	498.8	502.7	1.3
3:42:37 PM	600.1	499.9	502.3	1.3
3:42:38 PM	599.9	499.3	502.5	1.3
3:42:39 PM	600.0	499.5	503.6	1.3
3:42:40 PM	600.0	498.3	503.1	1.3
3:42:41 PM	600.0	499.7	503.9	1.3
3:42:42 PM	600.1	498.4	502.6	1.3
3:42:43 PM	600.0	499.2	502.6	1.3
3:42:44 PM	600.0	498.3	502.2	1.3
3:42:45 PM	600.0	499.2	502.9	1.3
3:42:46 PM	600.1	499.0	502.2	1.3
3:42:47 PM	600.1	500.1	502.2	1.3
3:42:48 PM	600.0	499.4	502.5	1.3
3:42:49 PM	600.0	499.5	502.6	1.3
Averages ->	600.1	499.5	502.6	1.3
			Maximum ->	1.4

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 900

Date 6/13/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
8:29:35 AM	596.1	69.2	68.7	1.0
8:29:36 AM	596.2	70.9	69.9	1.0
8:29:37 AM	595.8	70.3	69.8	0.9
8:29:38 AM	596.1	70.0	69.4	1.0
8:29:39 AM	596.1	70.1	69.6	0.9
8:29:40 AM	596.1	69.9	70.5	0.9
8:29:41 AM	596.1	69.6	69.3	0.9
8:29:42 AM	596.2	70.3	68.2	0.8
8:29:43 AM	596.2	69.8	70.0	0.8
8:29:44 AM	596.3	70.3	70.5	0.7
8:29:45 AM	596.1	70.8	69.2	0.7
8:29:46 AM	596.2	69.7	68.5	0.8
8:29:47 AM	596.0	69.7	69.1	0.7
8:29:48 AM	596.2	68.9	69.0	0.7
8:29:49 AM	596.2	68.9	68.5	0.8
8:29:50 AM	596.3	69.5	68.8	0.7
8:29:51 AM	596.3	69.5	69.0	0.7
8:29:52 AM	596.2	69.6	69.4	0.7
8:29:53 AM	596.2	70.3	69.2	0.7
8:29:54 AM	596.2	69.6	68.8	0.6
8:29:55 AM	596.2	70.1	69.3	0.6
8:29:56 AM	596.2	69.4	68.1	0.7
8:29:57 AM	596.1	70.0	69.4	0.6
8:29:58 AM	596.2	69.4	69.9	0.5
8:29:59 AM	596.1	69.4	69.6	0.6
8:30:00 AM	596.1	70.8	70.1	0.6
8:30:01 AM	596.2	68.7	69.7	0.6
8:30:02 AM	596.1	70.0	70.4	0.5
8:30:03 AM	596.2	70.3	70.8	0.5
8:30:04 AM	596.1	69.6	69.4	0.6
8:30:05 AM	596.2	70.0	68.9	0.6
8:30:06 AM	596.1	69.6	69.2	0.5
8:30:07 AM	596.0	69.5	68.7	0.5
8:30:08 AM	596.1	70.1	69.6	0.5
8:30:09 AM	596.3	70.1	70.3	0.6
8:30:10 AM	596.1	70.0	69.1	0.5
8:30:11 AM	596.1	70.3	70.4	0.4
8:30:12 AM	596.2	70.7	70.2	0.4
8:30:13 AM	596.2	69.9	69.1	0.4
8:30:14 AM	596.3	69.8	69.2	0.4
8:30:15 AM	596.2	69.8	69.1	0.4
8:30:16 AM	596.2	70.5	69.3	0.3
8:30:17 AM	596.0	70.3	69.8	0.3
8:30:18 AM	596.1	70.0	69.3	0.2
8:30:19 AM	596.1	69.5	69.8	0.2
8:30:20 AM	596.3	69.4	68.7	0.2
8:30:21 AM	596.2	70.2	68.2	0.2
8:30:22 AM	596.2	69.5	68.8	0.2
8:30:23 AM	596.2	69.6	69.3	0.3
8:30:24 AM	596.1	70.6	69.2	0.2
8:30:25 AM	596.1	70.1	69.8	0.2
8:30:26 AM	596.1	69.4	68.7	0.2
8:30:27 AM	596.2	69.3	69.0	0.2
8:30:28 AM	596.2	70.0	70.4	0.1
8:30:29 AM	596.1	70.1	69.6	0.1
8:30:30 AM	596.2	69.1	68.4	0.1
8:30:31 AM	596.2	69.7	69.9	0.1
8:30:32 AM	596.2	70.3	69.7	0.1
8:30:33 AM	596.2	69.9	69.2	0.1
8:30:34 AM	596.1	69.9	70.0	0.1
Averages ->	596.2	69.9	69.4	0.5
			Maximum ->	1.0

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 950

Date 6/13/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
9:13:43 AM	602.5	75.9	74.1	2.3
9:13:44 AM	602.4	76.3	72.7	2.3
9:13:45 AM	602.4	76.8	72.4	2.2
9:13:46 AM	602.5	75.7	73.7	2.2
9:13:47 AM	602.4	77.4	72.4	2.2
9:13:48 AM	602.3	76.5	72.2	2.2
9:13:49 AM	602.3	76.3	72.5	2.2
9:13:50 AM	602.4	75.8	72.3	2.2
9:13:51 AM	602.4	77.2	73.1	2.2
9:13:52 AM	602.4	76.7	72.7	2.2
9:13:53 AM	602.4	76.8	71.8	2.2
9:13:54 AM	602.2	75.4	73.3	2.2
9:13:55 AM	602.4	75.7	73.7	2.2
9:13:56 AM	602.5	76.4	71.6	2.2
9:13:57 AM	602.4	76.1	72.7	2.2
9:13:58 AM	602.3	75.5	72.0	2.2
9:13:59 AM	602.3	76.6	72.1	2.2
9:14:00 AM	602.3	77.4	73.3	2.2
9:14:01 AM	602.3	75.0	73.1	2.2
9:14:02 AM	602.4	76.6	73.0	2.2
9:14:03 AM	602.3	76.3	73.3	2.2
9:14:04 AM	602.4	76.6	73.2	2.2
9:14:05 AM	602.5	77.0	73.4	2.2
9:14:06 AM	602.3	76.0	73.6	2.2
9:14:07 AM	602.3	76.1	72.2	2.2
9:14:08 AM	602.3	76.8	72.6	2.2
9:14:09 AM	602.6	76.6	73.3	2.2
9:14:10 AM	602.4	76.6	72.0	2.2
9:14:11 AM	602.3	75.8	73.4	2.2
9:14:12 AM	602.2	77.4	72.5	2.2
9:14:13 AM	602.3	77.0	72.2	2.2
9:14:14 AM	602.3	76.2	72.6	2.2
9:14:15 AM	602.3	76.6	73.2	2.2
9:14:16 AM	602.3	75.9	71.8	2.2
9:14:17 AM	602.3	77.0	73.6	2.1
9:14:18 AM	602.3	76.9	71.6	2.1
9:14:19 AM	602.3	75.6	72.9	2.1
9:14:20 AM	602.4	75.9	72.7	2.1
9:14:21 AM	602.3	77.0	71.8	2.1
9:14:22 AM	602.3	76.1	72.7	2.1
9:14:23 AM	602.3	76.4	72.4	2.1
9:14:24 AM	602.3	75.2	72.9	2.1
9:14:25 AM	602.3	74.6	74.0	2.1
9:14:26 AM	602.3	76.8	72.0	2.1
9:14:27 AM	602.4	76.3	72.4	2.1
9:14:28 AM	602.3	76.3	73.6	2.1
9:14:29 AM	602.3	75.4	73.3	2.0
9:14:30 AM	602.4	76.6	73.0	2.1
9:14:31 AM	602.3	76.4	73.2	2.0
9:14:32 AM	602.4	75.9	73.4	2.0
9:14:33 AM	602.3	76.9	71.8	2.0
9:14:34 AM	602.3	76.8	73.2	2.0
9:14:35 AM	602.3	76.1	74.4	2.0
9:14:36 AM	602.4	76.6	72.4	1.9
9:14:37 AM	602.4	75.0	73.6	1.9
9:14:38 AM	602.3	76.6	73.4	2.0
9:14:39 AM	602.3	76.7	73.1	1.9
9:14:40 AM	602.3	75.3	73.6	1.9
9:14:41 AM	602.3	77.4	72.7	1.9
9:14:42 AM	602.4	76.8	72.4	1.9
Averages ->	602.4	76.3	72.8	2.1
			Maximum ->	2.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1000

Date 6/13/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
10:06:21 AM	597.4	80.6	74.7	1.5
10:06:22 AM	597.2	81.8	75.2	1.5
10:06:23 AM	597.4	81.3	76.3	1.4
10:06:24 AM	597.5	81.6	74.7	1.4
10:06:25 AM	597.3	81.1	75.2	1.4
10:06:26 AM	597.2	81.1	75.1	1.4
10:06:27 AM	597.4	81.1	75.1	1.4
10:06:28 AM	597.3	80.4	75.3	1.4
10:06:29 AM	597.4	80.3	76.2	1.3
10:06:30 AM	597.4	80.6	75.8	1.3
10:06:31 AM	597.4	80.7	73.5	1.3
10:06:32 AM	597.2	81.8	75.1	1.3
10:06:33 AM	597.3	80.5	74.6	1.3
10:06:34 AM	597.4	80.7	75.3	1.3
10:06:35 AM	597.5	81.8	75.1	1.2
10:06:36 AM	597.4	81.4	75.2	1.2
10:06:37 AM	597.3	81.9	75.6	1.2
10:06:38 AM	597.2	79.7	74.8	1.2
10:06:39 AM	597.4	80.1	75.3	1.2
10:06:40 AM	597.3	82.5	74.3	1.2
10:06:41 AM	597.4	82.2	74.7	1.1
10:06:42 AM	597.3	80.8	75.6	1.1
10:06:43 AM	597.2	80.5	74.7	1.1
10:06:44 AM	597.3	80.9	74.9	1.1
10:06:45 AM	597.3	81.4	75.2	1.1
10:06:46 AM	597.3	81.6	73.3	1.0
10:06:47 AM	597.4	81.1	74.4	1.0
10:06:48 AM	597.3	81.7	74.0	1.0
10:06:49 AM	597.3	81.5	75.0	1.0
10:06:50 AM	597.2	82.1	74.9	1.0
10:06:51 AM	597.3	81.4	74.5	1.0
10:06:52 AM	597.3	81.1	74.9	1.0
10:06:53 AM	597.3	80.2	75.0	1.0
10:06:54 AM	597.3	81.5	75.1	1.0
10:06:55 AM	597.2	80.9	74.0	1.0
10:06:56 AM	597.3	81.2	75.3	1.0
10:06:57 AM	597.5	80.2	74.8	1.0
10:06:58 AM	597.3	80.6	75.3	1.0
10:06:59 AM	597.3	80.3	75.2	0.9
10:07:00 AM	597.3	80.7	74.9	1.0
10:07:01 AM	597.3	81.6	74.4	1.0
10:07:02 AM	597.4	81.1	74.3	0.9
10:07:03 AM	597.3	80.9	74.7	0.9
10:07:04 AM	597.3	81.1	75.1	0.9
10:07:05 AM	597.4	82.4	76.0	0.9
10:07:06 AM	597.4	81.3	75.0	0.9
10:07:07 AM	597.2	80.2	75.6	0.9
10:07:08 AM	597.3	80.9	74.4	0.9
10:07:09 AM	597.5	81.2	75.8	0.9
10:07:10 AM	597.4	81.0	74.8	0.8
10:07:11 AM	597.2	81.6	75.3	0.8
10:07:12 AM	597.3	81.0	75.1	0.8
10:07:13 AM	597.2	80.9	75.3	0.8
10:07:14 AM	597.3	81.3	74.2	0.8
10:07:15 AM	597.4	80.6	74.4	0.8
10:07:16 AM	597.3	81.3	74.4	0.8
10:07:17 AM	597.4	79.8	75.8	0.8
10:07:18 AM	597.3	82.8	76.2	0.8
10:07:19 AM	597.2	81.3	75.3	0.8
10:07:20 AM	597.2	80.7	74.8	0.8
Averages ->	597.3	81.1	75.0	1.1
			Maximum ->	1.5

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1050

Date 6/13/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
10:58:07 AM	603.3	86.3	78.0	0.6
10:58:08 AM	603.3	85.3	78.4	0.6
10:58:09 AM	603.3	85.3	77.7	0.6
10:58:10 AM	603.2	84.5	77.7	0.6
10:58:11 AM	603.4	85.5	78.3	0.5
10:58:12 AM	603.3	85.6	78.1	0.5
10:58:13 AM	603.2	85.4	78.3	0.5
10:58:14 AM	603.3	84.2	77.1	0.5
10:58:15 AM	603.3	84.8	77.5	0.5
10:58:16 AM	603.4	84.8	77.2	0.4
10:58:17 AM	603.5	85.6	78.2	0.4
10:58:18 AM	603.3	85.8	77.9	0.4
10:58:19 AM	603.3	85.8	78.7	0.4
10:58:20 AM	603.3	84.7	77.0	0.4
10:58:21 AM	603.2	84.8	78.4	0.3
10:58:22 AM	603.4	85.6	78.1	0.1
10:58:23 AM	603.3	84.7	78.8	0.1
10:58:24 AM	603.3	85.6	77.9	0.2
10:58:25 AM	603.3	84.9	78.1	0.2
10:58:26 AM	603.3	84.6	77.0	0.2
10:58:27 AM	603.3	85.1	79.2	0.2
10:58:28 AM	603.4	84.7	79.0	0.1
10:58:29 AM	603.2	85.8	78.3	0.1
10:58:30 AM	603.2	85.9	77.2	0.0
10:58:31 AM	603.3	85.7	78.3	0.1
10:58:32 AM	603.3	84.3	77.1	0.1
10:58:33 AM	603.4	86.3	77.9	0.1
10:58:34 AM	603.3	85.8	78.0	0.1
10:58:35 AM	603.3	85.6	78.5	0.1
10:58:36 AM	603.3	84.8	78.3	0.0
10:58:37 AM	603.3	85.6	77.7	0.1
10:58:38 AM	603.3	84.9	78.7	0.1
10:58:39 AM	603.2	85.5	77.7	0.1
10:58:40 AM	603.3	85.0	77.2	0.0
10:58:41 AM	603.3	86.1	77.5	0.1
10:58:42 AM	603.4	85.2	78.5	0.0
10:58:43 AM	603.4	86.1	78.7	0.0
10:58:44 AM	603.4	84.4	77.2	0.1
10:58:45 AM	603.3	86.0	77.8	0.2
10:58:46 AM	603.2	85.4	78.0	0.1
10:58:47 AM	603.2	85.4	77.9	0.2
10:58:48 AM	603.3	86.3	77.9	0.2
10:58:49 AM	603.3	85.2	78.6	0.3
10:58:50 AM	603.2	85.0	78.1	0.3
10:58:51 AM	603.3	84.4	77.4	0.3
10:58:52 AM	603.3	85.3	77.0	0.4
10:58:53 AM	603.5	83.2	77.6	0.4
10:58:54 AM	603.3	83.3	77.3	0.5
10:58:55 AM	603.4	85.0	77.0	0.5
10:58:56 AM	603.2	86.4	78.3	0.5
10:58:57 AM	603.4	84.4	78.0	0.6
10:58:58 AM	603.3	85.6	78.9	0.6
10:58:59 AM	603.3	85.1	77.9	0.7
10:59:00 AM	603.2	84.7	77.5	0.7
10:59:01 AM	603.2	84.9	78.0	0.8
10:59:02 AM	603.2	84.6	78.5	0.8
10:59:03 AM	603.3	85.3	78.1	0.8
10:59:04 AM	603.2	85.1	78.5	0.8
10:59:05 AM	603.3	85.4	77.7	0.9
10:59:06 AM	603.2	84.8	78.1	0.9
Averages ->	603.3	85.2	78.0	0.4
			Maximum ->	0.9

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1050

Date 6/13/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
1:28:29 PM	599.7	500.4	508.8	2.2
1:28:30 PM	599.3	499.0	508.1	2.1
1:28:31 PM	599.4	498.8	507.6	2.1
1:28:32 PM	599.5	499.6	508.3	2.0
1:28:33 PM	599.4	499.4	508.4	2.0
1:28:34 PM	599.6	499.0	508.5	1.9
1:28:35 PM	599.6	499.5	507.6	2.0
1:28:36 PM	599.7	500.2	508.6	1.9
1:28:37 PM	599.6	499.2	508.2	1.9
1:28:38 PM	599.5	499.2	508.7	2.4
1:28:39 PM	599.7	499.3	508.0	2.7
1:28:40 PM	599.6	500.6	508.4	2.8
1:28:41 PM	599.5	499.1	509.1	2.6
1:28:42 PM	599.6	499.4	509.2	2.4
1:28:43 PM	599.3	498.7	509.0	2.3
1:28:44 PM	599.6	499.5	508.4	2.3
1:28:45 PM	599.6	498.9	508.3	2.2
1:28:46 PM	599.7	499.1	508.2	2.1
1:28:47 PM	599.7	499.0	508.5	2.1
1:28:48 PM	599.8	499.3	509.8	2.2
1:28:49 PM	599.9	499.7	508.0	2.2
1:28:50 PM	599.9	499.2	507.7	2.2
1:28:51 PM	599.9	498.8	507.9	2.3
1:28:52 PM	600.0	499.6	507.8	2.3
1:28:53 PM	599.6	499.7	506.5	2.3
1:28:54 PM	599.9	499.1	509.6	2.3
1:28:55 PM	599.9	498.9	510.0	2.3
1:28:56 PM	600.0	500.2	508.0	2.3
1:28:57 PM	600.0	499.0	510.1	2.2
1:28:58 PM	600.1	499.0	508.4	2.3
1:28:59 PM	599.9	498.8	508.0	2.3
1:29:00 PM	600.0	499.6	508.8	2.3
1:29:01 PM	599.9	499.0	508.9	2.3
1:29:02 PM	600.0	499.3	509.2	2.2
1:29:03 PM	599.8	498.9	508.0	2.2
1:29:04 PM	600.0	499.6	508.4	2.2
1:29:05 PM	599.8	499.2	508.3	2.1
1:29:06 PM	599.8	498.3	508.4	2.2
1:29:07 PM	599.9	498.4	508.5	2.2
1:29:08 PM	599.9	497.7	508.7	2.3
1:29:09 PM	599.9	498.7	508.6	2.3
1:29:10 PM	599.9	498.3	508.8	2.3
1:29:11 PM	600.1	499.2	508.0	2.3
1:29:12 PM	600.0	499.9	509.8	2.4
1:29:13 PM	599.8	499.1	508.8	2.3
1:29:14 PM	600.0	499.6	508.6	2.3
1:29:15 PM	600.0	499.1	509.1	2.3
1:29:16 PM	600.0	499.7	509.2	2.2
1:29:17 PM	599.9	498.7	509.4	2.2
1:29:18 PM	600.0	499.4	508.4	2.2
1:29:19 PM	600.0	498.8	509.0	2.3
1:29:20 PM	599.9	498.5	508.4	2.3
1:29:21 PM	600.1	500.0	508.8	2.3
1:29:22 PM	600.1	499.5	507.6	2.3
1:29:23 PM	600.0	499.6	508.4	2.3
1:29:24 PM	600.1	499.6	508.5	2.3
1:29:25 PM	600.2	499.8	509.0	2.3
1:29:26 PM	600.1	499.2	508.2	2.2
1:29:27 PM	600.1	499.5	507.6	2.2
1:29:28 PM	600.2	500.5	509.5	2.1
Averages ->	599.8	499.3	508.6	2.2
			Maximum ->	2.8

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1100

Date 6/13/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
3:34:02 PM	599.1	499.8	509.5	1.5
3:34:03 PM	599.1	499.1	509.6	1.4
3:34:04 PM	599.0	499.3	509.8	1.4
3:34:05 PM	599.0	500.0	510.0	1.4
3:34:06 PM	598.9	498.9	509.1	1.3
3:34:07 PM	599.1	499.3	510.4	1.3
3:34:08 PM	598.9	499.5	509.1	1.3
3:34:09 PM	599.0	499.1	509.0	1.3
3:34:10 PM	598.9	499.5	510.1	1.2
3:34:11 PM	599.0	499.0	510.2	1.2
3:34:12 PM	599.0	499.2	509.2	1.3
3:34:13 PM	599.0	499.2	509.6	1.3
3:34:14 PM	599.1	499.1	509.3	1.3
3:34:15 PM	599.1	498.8	509.6	1.4
3:34:16 PM	599.0	498.5	510.3	1.4
3:34:17 PM	599.0	499.6	509.2	1.5
3:34:18 PM	599.0	498.7	509.5	1.5
3:34:19 PM	598.9	499.7	509.4	1.6
3:34:20 PM	598.9	498.6	509.5	1.6
3:34:21 PM	598.9	498.7	509.8	1.6
3:34:22 PM	599.0	499.3	509.5	1.7
3:34:23 PM	599.1	499.0	509.1	1.7
3:34:24 PM	599.1	500.0	509.7	1.7
3:34:25 PM	598.9	499.5	509.7	1.7
3:34:26 PM	598.9	499.4	509.6	1.6
3:34:27 PM	599.1	499.3	509.6	1.6
3:34:28 PM	598.9	499.5	508.4	1.5
3:34:29 PM	599.1	499.5	509.6	1.5
3:34:30 PM	599.0	498.8	510.2	1.5
3:34:31 PM	598.9	499.8	509.4	1.5
3:34:32 PM	599.0	498.8	509.2	1.4
3:34:33 PM	598.9	499.2	509.2	1.4
3:34:34 PM	598.9	499.4	509.4	1.4
3:34:35 PM	598.9	499.8	509.5	1.3
3:34:36 PM	599.1	499.6	510.4	1.3
3:34:37 PM	598.9	500.0	509.7	1.3
3:34:38 PM	598.9	499.8	510.2	1.3
3:34:39 PM	599.1	499.4	509.0	1.3
3:34:40 PM	599.0	499.3	509.8	1.3
3:34:41 PM	599.0	499.3	509.2	1.3
3:34:42 PM	599.0	499.5	509.6	1.3
3:34:43 PM	599.2	499.3	509.9	1.3
3:34:44 PM	598.9	499.1	509.3	1.3
3:34:45 PM	599.1	499.1	509.4	1.3
3:34:46 PM	599.1	499.6	510.2	1.3
3:34:47 PM	599.1	498.9	509.1	1.3
3:34:48 PM	599.1	499.8	509.6	1.4
3:34:49 PM	599.1	500.2	509.8	1.4
3:34:50 PM	599.1	499.8	509.0	1.4
3:34:51 PM	599.0	500.2	510.2	1.5
3:34:52 PM	599.2	499.4	510.0	1.5
3:34:53 PM	599.2	500.3	509.8	1.5
3:34:54 PM	599.1	499.0	509.0	1.5
3:34:55 PM	599.1	500.3	509.5	1.5
3:34:56 PM	599.2	500.2	509.9	1.6
3:34:57 PM	599.1	499.1	510.2	1.5
3:34:58 PM	599.1	500.0	509.6	1.5
3:34:59 PM	599.0	500.4	509.6	1.5
3:35:00 PM	599.1	500.0	509.8	1.5
3:35:01 PM	599.0	499.3	509.7	1.5
Averages ->	599.0	499.4	509.6	1.4
			Maximum ->	1.7

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1150

Date 6/13/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
4:26:41 PM	601.0	499.2	507.2	1.3
4:26:42 PM	600.9	499.4	508.5	1.3
4:26:43 PM	601.1	499.1	507.8	1.2
4:26:44 PM	600.9	499.4	507.5	1.2
4:26:45 PM	600.9	499.5	507.4	1.3
4:26:46 PM	600.9	499.6	507.6	1.2
4:26:47 PM	601.1	499.4	507.6	1.2
4:26:48 PM	600.9	499.4	507.8	1.2
4:26:49 PM	601.1	500.5	508.4	1.2
4:26:50 PM	601.1	499.6	508.7	1.2
4:26:51 PM	601.0	499.2	508.0	1.2
4:26:52 PM	601.0	498.9	506.7	1.2
4:26:53 PM	601.0	499.2	506.8	1.2
4:26:54 PM	601.1	499.4	506.8	1.2
4:26:55 PM	600.9	500.1	507.6	1.1
4:26:56 PM	601.0	499.0	507.7	1.1
4:26:57 PM	601.0	499.3	507.8	1.1
4:26:58 PM	601.1	499.2	507.4	1.1
4:26:59 PM	601.1	500.6	507.6	1.1
4:27:00 PM	601.0	500.2	507.8	1.1
4:27:01 PM	601.1	500.3	507.9	1.1
4:27:02 PM	601.0	499.4	507.1	1.1
4:27:03 PM	601.0	499.2	507.3	1.1
4:27:04 PM	601.0	499.7	507.5	1.1
4:27:05 PM	600.9	499.5	506.9	1.1
4:27:06 PM	600.9	499.1	507.2	1.0
4:27:07 PM	601.1	499.7	507.4	1.0
4:27:08 PM	601.0	499.5	507.7	1.1
4:27:09 PM	601.0	500.5	507.2	1.0
4:27:10 PM	600.9	499.1	507.7	1.1
4:27:11 PM	601.1	499.6	507.6	1.1
4:27:12 PM	600.9	499.8	506.8	1.1
4:27:13 PM	601.1	498.6	506.6	1.1
4:27:14 PM	601.0	499.6	508.0	1.1
4:27:15 PM	601.1	501.1	508.2	1.1
4:27:16 PM	601.0	499.6	506.9	1.2
4:27:17 PM	601.1	498.8	507.2	1.2
4:27:18 PM	601.1	500.4	507.9	1.2
4:27:19 PM	601.0	499.4	507.2	1.2
4:27:20 PM	601.1	500.2	508.3	1.2
4:27:21 PM	601.1	500.0	507.4	1.2
4:27:22 PM	601.0	499.9	507.4	1.2
4:27:23 PM	601.1	499.6	506.9	1.2
4:27:24 PM	601.1	499.2	508.4	1.2
4:27:25 PM	601.2	500.6	508.3	1.2
4:27:26 PM	601.0	500.0	507.8	1.2
4:27:27 PM	601.1	498.6	507.7	1.2
4:27:28 PM	601.0	498.6	506.9	1.2
4:27:29 PM	601.1	500.6	507.5	1.1
4:27:30 PM	601.1	499.7	508.8	1.2
4:27:31 PM	601.1	498.8	507.1	1.1
4:27:32 PM	601.0	499.4	507.5	1.1
4:27:33 PM	601.2	500.0	508.0	1.2
4:27:34 PM	601.2	499.6	508.3	1.2
4:27:35 PM	601.0	498.9	507.0	1.2
4:27:36 PM	601.1	499.2	508.1	1.2
4:27:37 PM	601.1	499.5	507.8	1.2
4:27:38 PM	601.1	500.4	508.2	1.2
4:27:39 PM	601.2	499.3	507.2	1.2
4:27:40 PM	601.1	499.5	508.6	1.2
Averages ->	601.0	499.6	507.6	1.2
			Maximum ->	1.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1200

Date 6/13/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
5:18:18 PM	597.1	499.7	504.8	0.8
5:18:19 PM	597.0	499.6	505.2	0.8
5:18:20 PM	597.2	499.4	504.8	0.8
5:18:21 PM	597.2	499.8	504.0	0.8
5:18:22 PM	597.2	499.9	504.4	0.8
5:18:23 PM	597.2	499.4	504.0	0.7
5:18:24 PM	597.3	500.2	505.1	0.7
5:18:25 PM	597.1	499.9	504.4	0.8
5:18:26 PM	597.2	499.7	505.0	0.8
5:18:27 PM	597.1	500.0	504.6	0.8
5:18:28 PM	597.2	500.0	503.9	0.8
5:18:29 PM	597.1	499.8	505.3	0.8
5:18:30 PM	597.2	499.3	504.0	0.8
5:18:31 PM	597.2	498.3	504.8	0.8
5:18:32 PM	597.2	499.4	504.6	0.8
5:18:33 PM	597.2	500.2	505.2	0.7
5:18:34 PM	597.2	499.6	504.8	0.8
5:18:35 PM	597.1	498.4	504.9	0.7
5:18:36 PM	597.0	499.6	504.0	0.7
5:18:37 PM	597.1	498.4	504.9	0.7
5:18:38 PM	597.3	499.4	505.0	0.7
5:18:39 PM	597.2	498.9	505.7	0.7
5:18:40 PM	597.2	499.8	504.2	0.8
5:18:41 PM	597.1	499.6	505.2	0.8
5:18:42 PM	597.2	499.0	504.6	0.8
5:18:43 PM	597.1	499.8	504.0	0.8
5:18:44 PM	597.1	500.3	504.2	0.8
5:18:45 PM	597.2	500.1	504.8	0.8
5:18:46 PM	597.1	499.2	504.6	0.8
5:18:47 PM	597.1	498.8	504.9	0.7
5:18:48 PM	597.1	499.1	504.6	0.7
5:18:49 PM	597.1	499.5	505.2	0.7
5:18:50 PM	597.0	499.8	505.4	0.7
5:18:51 PM	597.2	499.2	504.9	0.7
5:18:52 PM	597.1	499.3	504.6	0.7
5:18:53 PM	597.1	498.7	504.4	0.7
5:18:54 PM	597.1	499.2	505.0	0.7
5:18:55 PM	597.0	499.2	504.6	0.7
5:18:56 PM	597.1	499.5	504.5	0.7
5:18:57 PM	597.1	499.8	504.8	0.7
5:18:58 PM	597.2	498.7	503.9	0.7
5:18:59 PM	597.2	499.8	505.5	0.7
5:19:00 PM	597.2	499.2	505.6	0.7
5:19:01 PM	597.2	500.5	505.7	0.7
5:19:02 PM	597.1	499.3	505.4	0.7
5:19:03 PM	597.2	499.4	505.3	0.7
5:19:04 PM	597.1	499.7	504.4	0.7
5:19:05 PM	597.0	499.5	505.2	0.7
5:19:06 PM	597.2	499.1	504.9	0.7
5:19:07 PM	597.1	500.0	505.9	0.7
5:19:08 PM	597.2	500.0	504.4	0.8
5:19:09 PM	597.2	499.1	505.4	0.8
5:19:10 PM	597.1	499.7	504.7	0.8
5:19:11 PM	597.1	499.4	505.2	0.8
5:19:12 PM	597.1	499.2	505.8	0.8
5:19:13 PM	597.1	499.4	506.4	0.8
5:19:14 PM	597.2	499.2	505.3	0.8
5:19:15 PM	597.3	499.8	505.2	0.9
5:19:16 PM	597.3	498.8	505.5	0.9
5:19:17 PM	597.2	498.8	504.4	0.9
Averages ->	597.1	499.5	504.9	0.8
			Maximum ->	0.9

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1200

Date 6/14/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
8:23:53 AM	603.2	85.0	91.1	1.8
8:23:54 AM	603.1	85.6	91.1	1.9
8:23:55 AM	603.1	84.8	89.0	1.9
8:23:56 AM	603.1	83.9	90.4	2.0
8:23:57 AM	603.1	84.7	91.2	2.0
8:23:58 AM	603.3	85.2	91.1	2.1
8:23:59 AM	603.1	84.9	90.8	2.1
8:24:00 AM	603.0	84.2	90.5	2.1
8:24:01 AM	603.0	84.8	90.9	2.1
8:24:02 AM	603.2	84.6	90.7	2.1
8:24:03 AM	603.0	84.1	91.3	2.1
8:24:04 AM	603.3	84.2	90.8	2.1
8:24:05 AM	603.2	84.6	90.4	2.1
8:24:06 AM	603.2	84.6	90.1	2.1
8:24:07 AM	603.0	85.0	91.2	2.1
8:24:08 AM	603.1	85.4	90.0	2.1
8:24:09 AM	603.1	84.4	91.0	2.1
8:24:10 AM	603.0	84.4	90.8	2.1
8:24:11 AM	603.1	85.5	91.1	2.1
8:24:12 AM	603.2	84.8	90.5	2.0
8:24:13 AM	603.0	84.8	90.8	2.0
8:24:14 AM	603.0	84.3	90.3	2.1
8:24:15 AM	603.0	85.2	91.5	2.0
8:24:16 AM	603.0	83.9	90.8	2.0
8:24:17 AM	603.2	85.4	90.5	2.0
8:24:18 AM	603.1	85.0	89.9	2.0
8:24:19 AM	603.2	85.4	91.3	2.1
8:24:20 AM	603.2	84.6	91.5	2.1
8:24:21 AM	603.2	84.6	90.2	2.0
8:24:22 AM	603.1	84.2	91.0	2.0
8:24:23 AM	603.1	84.1	90.8	2.0
8:24:24 AM	603.3	84.8	90.8	2.1
8:24:25 AM	603.0	85.2	90.9	2.1
8:24:26 AM	603.2	84.8	90.7	2.0
8:24:27 AM	603.1	84.6	90.2	2.0
8:24:28 AM	602.9	84.6	89.9	2.1
8:24:29 AM	603.1	84.4	90.6	2.0
8:24:30 AM	603.2	84.5	90.1	2.0
8:24:31 AM	603.2	85.0	91.4	2.0
8:24:32 AM	603.1	83.9	90.4	2.0
8:24:33 AM	603.1	84.8	89.3	2.0
8:24:34 AM	603.1	83.7	90.5	2.0
8:24:35 AM	603.2	84.7	89.9	2.0
8:24:36 AM	603.1	84.2	91.4	2.0
8:24:37 AM	603.3	84.8	91.1	2.0
8:24:38 AM	603.0	84.6	91.2	2.0
8:24:39 AM	603.1	84.2	89.2	2.0
8:24:40 AM	603.1	84.7	91.4	2.0
8:24:41 AM	603.1	84.5	91.0	2.0
8:24:42 AM	603.0	84.2	90.8	2.0
8:24:43 AM	603.0	84.7	90.2	2.0
8:24:44 AM	603.2	84.9	91.8	2.0
8:24:45 AM	603.1	84.5	89.6	1.9
8:24:46 AM	603.2	85.0	90.8	2.0
8:24:47 AM	603.0	84.4	91.1	1.9
8:24:48 AM	603.1	85.3	91.0	1.9
8:24:49 AM	603.1	85.0	89.9	1.9
8:24:50 AM	603.2	85.2	91.0	2.0
8:24:51 AM	603.1	84.7	90.7	1.9
8:24:52 AM	602.9	85.5	90.5	2.0
Averages ->	603.1	84.7	90.7	2.0
			Maximum ->	2.1

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1250

Date 6/14/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
9:23:33 AM	604.4	92.3	92.1	1.6
9:23:34 AM	604.4	91.4	91.9	1.6
9:23:35 AM	604.4	92.1	91.6	1.6
9:23:36 AM	604.4	92.5	92.0	1.6
9:23:37 AM	604.3	93.3	91.5	1.6
9:23:38 AM	604.4	92.8	91.7	1.6
9:23:39 AM	604.4	92.3	91.0	1.6
9:23:40 AM	604.3	91.7	91.6	1.6
9:23:41 AM	604.4	92.3	92.5	1.6
9:23:42 AM	604.4	92.1	91.4	1.6
9:23:43 AM	604.4	93.4	91.7	1.6
9:23:44 AM	604.5	92.1	91.9	1.6
9:23:45 AM	604.5	91.9	91.9	1.6
9:23:46 AM	604.4	92.7	92.5	1.6
9:23:47 AM	604.3	92.1	90.6	1.6
9:23:48 AM	604.4	92.1	91.7	1.6
9:23:49 AM	604.4	92.1	93.0	1.6
9:23:50 AM	604.5	91.9	91.6	1.6
9:23:51 AM	604.4	91.9	92.2	1.6
9:23:52 AM	604.3	93.3	91.4	1.6
9:23:53 AM	604.3	91.4	90.7	1.6
9:23:54 AM	604.4	92.3	90.8	1.6
9:23:55 AM	604.2	92.3	92.4	1.6
9:23:56 AM	604.4	92.3	92.0	1.6
9:23:57 AM	604.5	91.9	91.5	1.6
9:23:58 AM	604.4	93.0	91.8	1.6
9:23:59 AM	604.5	92.3	91.6	1.6
9:24:00 AM	604.4	91.9	92.8	1.6
9:24:01 AM	604.4	92.2	90.8	1.6
9:24:02 AM	604.4	91.2	91.8	1.6
9:24:03 AM	604.3	92.6	91.5	1.6
9:24:04 AM	604.3	92.4	91.7	1.6
9:24:05 AM	604.4	91.9	91.7	1.6
9:24:06 AM	604.3	92.8	91.2	1.6
9:24:07 AM	604.4	91.9	92.1	1.6
9:24:08 AM	604.4	92.2	92.6	1.6
9:24:09 AM	604.3	91.7	91.8	1.6
9:24:10 AM	604.2	93.2	91.6	1.6
9:24:11 AM	604.5	91.0	92.6	1.6
9:24:12 AM	604.3	91.6	90.8	1.6
9:24:13 AM	604.4	92.9	91.9	1.6
9:24:14 AM	604.4	92.1	92.2	1.6
9:24:15 AM	604.3	92.4	92.3	1.6
9:24:16 AM	604.4	92.5	91.9	1.6
9:24:17 AM	604.4	91.7	91.2	1.6
9:24:18 AM	604.3	91.1	91.0	1.6
9:24:19 AM	604.4	92.5	91.9	1.6
9:24:20 AM	604.4	91.7	92.1	1.6
9:24:21 AM	604.3	92.1	91.5	1.6
9:24:22 AM	604.4	92.1	91.2	1.6
9:24:23 AM	604.4	91.7	91.1	1.6
9:24:24 AM	604.4	92.3	91.5	1.6
9:24:25 AM	604.4	92.0	93.0	1.6
9:24:26 AM	604.5	92.3	91.8	1.6
9:24:27 AM	604.4	91.9	92.1	1.6
9:24:28 AM	604.3	91.9	92.0	1.6
9:24:29 AM	604.3	91.1	91.0	1.6
9:24:30 AM	604.2	91.6	91.9	1.6
9:24:31 AM	604.4	91.6	91.1	1.6
9:24:32 AM	604.4	92.1	91.6	1.6
Averages ->	604.4	92.1	91.7	1.6
			Maximum ->	1.6

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1300

Date 6/14/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
10:16:26 AM	597.8	94.9	90.3	6.8
10:16:27 AM	597.9	95.5	90.6	6.7
10:16:28 AM	597.7	95.4	90.2	6.7
10:16:29 AM	597.7	95.5	90.1	6.7
10:16:30 AM	597.8	94.7	90.1	6.7
10:16:31 AM	597.9	94.0	89.9	6.7
10:16:32 AM	597.8	94.7	90.2	6.7
10:16:33 AM	597.7	94.4	90.0	6.7
10:16:34 AM	597.8	94.4	90.1	6.6
10:16:35 AM	597.9	94.2	90.2	6.7
10:16:36 AM	597.8	95.0	89.7	6.7
10:16:37 AM	597.9	94.5	91.0	6.7
10:16:38 AM	597.9	95.1	90.4	6.7
10:16:39 AM	597.9	94.3	90.8	6.8
10:16:40 AM	597.9	94.0	91.2	6.7
10:16:41 AM	597.7	94.9	91.4	6.8
10:16:42 AM	597.9	94.7	89.4	6.7
10:16:43 AM	597.9	96.3	89.8	6.6
10:16:44 AM	597.9	94.8	89.7	6.7
10:16:45 AM	598.0	95.1	90.7	6.7
10:16:46 AM	597.8	94.5	90.3	6.8
10:16:47 AM	597.8	94.6	90.4	6.7
10:16:48 AM	597.7	94.8	90.8	6.7
10:16:49 AM	597.9	95.2	91.4	6.7
10:16:50 AM	597.9	94.3	90.4	6.7
10:16:51 AM	597.8	95.2	89.7	6.8
10:16:52 AM	597.8	94.4	89.9	6.8
10:16:53 AM	597.9	93.4	91.2	6.8
10:16:54 AM	597.8	93.8	90.8	6.8
10:16:55 AM	597.7	94.0	90.3	6.8
10:16:56 AM	597.9	94.4	90.3	6.8
10:16:57 AM	597.7	94.7	90.4	6.8
10:16:58 AM	597.8	94.8	90.5	6.7
10:16:59 AM	597.7	95.6	89.2	6.8
10:17:00 AM	597.8	95.1	90.5	6.8
10:17:01 AM	597.7	93.7	91.0	6.8
10:17:02 AM	597.9	94.9	90.9	6.7
10:17:03 AM	598.0	95.0	90.3	6.7
10:17:04 AM	597.9	95.2	89.7	6.7
10:17:05 AM	597.9	93.7	89.4	6.8
10:17:06 AM	597.7	94.0	90.1	6.8
10:17:07 AM	597.7	94.4	89.4	6.7
10:17:08 AM	597.8	94.6	89.8	6.7
10:17:09 AM	597.7	94.2	89.8	6.8
10:17:10 AM	597.8	94.4	89.4	6.7
10:17:11 AM	597.8	94.6	90.2	6.7
10:17:12 AM	597.8	93.8	89.9	6.7
10:17:13 AM	597.5	94.7	89.9	6.8
10:17:14 AM	597.8	94.8	90.1	6.8
10:17:15 AM	597.7	94.5	91.3	6.8
10:17:16 AM	597.9	93.6	90.8	6.8
10:17:17 AM	597.8	93.8	90.5	6.7
10:17:18 AM	597.8	94.3	89.9	6.8
10:17:19 AM	596.9	95.1	89.7	6.8
10:17:20 AM	597.8	95.2	90.7	6.8
10:17:21 AM	597.8	94.0	90.4	6.8
10:17:22 AM	597.8	93.6	90.2	6.7
10:17:23 AM	597.9	94.3	89.4	6.7
10:17:24 AM	597.8	94.2	91.3	6.7
10:17:25 AM	597.6	95.1	90.4	6.7
Averages ->	597.8	94.6	90.3	6.7
			Maximum ->	6.8

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1350

Date 6/14/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
11:14:31 AM	599.2	94.0	92.9	20.8
11:14:32 AM	599.1	94.4	93.4	20.8
11:14:33 AM	599.2	93.9	91.4	20.8
11:14:34 AM	599.2	94.4	91.3	20.8
11:14:35 AM	599.0	94.9	91.1	20.8
11:14:36 AM	599.0	94.4	91.3	20.8
11:14:37 AM	598.9	94.2	91.0	21.0
11:14:38 AM	599.1	94.3	91.6	21.2
11:14:39 AM	599.1	94.1	92.2	21.2
11:14:40 AM	599.1	94.7	91.8	21.0
11:14:41 AM	599.1	94.5	91.9	21.0
11:14:42 AM	599.1	94.3	92.5	21.1
11:14:43 AM	599.1	93.6	92.1	21.1
11:14:44 AM	599.1	94.7	91.4	21.1
11:14:45 AM	599.0	94.3	91.6	21.1
11:14:46 AM	599.0	94.9	91.7	21.1
11:14:47 AM	599.1	94.0	90.8	21.1
11:14:48 AM	599.1	92.9	91.7	21.2
11:14:49 AM	598.8	94.7	90.4	21.2
11:14:50 AM	599.1	93.6	90.8	21.2
11:14:51 AM	599.0	94.2	91.9	21.2
11:14:52 AM	599.1	93.8	90.8	21.2
11:14:53 AM	598.9	94.5	91.9	21.2
11:14:54 AM	598.8	93.5	91.2	21.2
11:14:55 AM	598.8	93.6	92.2	21.2
11:14:56 AM	598.9	94.0	91.1	21.2
11:14:57 AM	599.0	94.8	90.2	21.3
11:14:58 AM	598.8	93.3	92.5	21.3
11:14:59 AM	598.9	94.4	90.7	21.3
11:15:00 AM	598.9	93.3	91.6	21.3
11:15:01 AM	599.0	94.7	90.8	21.4
11:15:02 AM	598.9	93.3	91.3	21.4
11:15:03 AM	598.9	94.4	92.0	21.3
11:15:04 AM	598.9	94.0	90.8	21.3
11:15:05 AM	598.9	94.3	91.4	21.3
11:15:06 AM	599.0	93.8	90.8	21.4
11:15:07 AM	599.1	93.9	90.6	21.6
11:15:08 AM	598.9	93.5	90.9	21.4
11:15:09 AM	598.9	93.6	91.6	21.3
11:15:10 AM	598.9	94.2	91.0	21.4
11:15:11 AM	598.9	93.7	91.9	21.4
11:15:12 AM	598.9	94.1	91.0	21.5
11:15:13 AM	598.9	94.2	91.7	21.4
11:15:14 AM	598.7	93.9	91.2	21.5
11:15:15 AM	598.9	94.3	90.3	21.5
11:15:16 AM	599.0	94.0	91.3	21.5
11:15:17 AM	598.7	93.6	90.4	21.6
11:15:18 AM	598.9	94.4	90.5	21.5
11:15:19 AM	598.8	94.0	91.5	21.5
11:15:20 AM	598.9	93.8	91.0	21.5
11:15:21 AM	598.8	93.6	91.3	21.6
11:15:22 AM	599.0	93.5	90.9	21.7
11:15:23 AM	598.7	93.7	90.6	21.5
11:15:24 AM	598.8	94.4	90.3	21.5
11:15:25 AM	598.8	94.0	90.8	21.6
11:15:26 AM	598.8	94.1	90.8	21.6
11:15:27 AM	598.9	94.0	91.7	21.6
11:15:28 AM	598.9	94.4	91.2	21.7
11:15:29 AM	598.8	92.9	90.8	21.7
11:15:30 AM	598.7	95.1	89.4	21.7
Averages ->	598.9	94.1	91.3	21.3
			Maximum ->	21.7

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1350

Date 6/14/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
1:35:56 PM	601.8	499.5	500.8	4.8
1:35:57 PM	601.9	498.5	501.6	4.8
1:35:58 PM	601.9	499.1	500.9	4.7
1:35:59 PM	601.8	499.4	501.8	4.7
1:36:00 PM	602.0	498.4	501.4	4.7
1:36:01 PM	601.8	498.5	502.0	4.7
1:36:02 PM	601.8	499.7	500.8	4.7
1:36:03 PM	601.9	498.7	501.6	4.6
1:36:04 PM	601.9	499.3	501.3	4.6
1:36:05 PM	601.9	499.5	500.8	4.6
1:36:06 PM	601.9	499.1	501.1	4.6
1:36:07 PM	602.0	499.4	501.4	4.6
1:36:08 PM	602.0	499.1	502.1	4.6
1:36:09 PM	601.8	498.8	501.8	4.6
1:36:10 PM	601.9	498.8	501.2	4.5
1:36:11 PM	601.9	499.5	501.6	4.5
1:36:12 PM	601.9	498.4	500.9	4.5
1:36:13 PM	601.9	499.3	501.5	4.5
1:36:14 PM	601.8	499.4	501.5	4.5
1:36:15 PM	602.0	498.7	502.8	4.5
1:36:16 PM	602.0	499.3	501.0	4.5
1:36:17 PM	601.9	498.7	501.7	4.5
1:36:18 PM	601.9	498.9	502.1	4.5
1:36:19 PM	601.9	499.1	501.4	4.5
1:36:20 PM	601.8	499.5	501.6	4.4
1:36:21 PM	602.0	499.5	500.6	4.4
1:36:22 PM	601.9	499.6	501.2	4.4
1:36:23 PM	601.9	499.4	501.4	4.4
1:36:24 PM	602.0	498.3	502.4	4.4
1:36:25 PM	602.1	499.6	500.8	4.4
1:36:26 PM	602.0	499.7	501.6	4.4
1:36:27 PM	602.0	498.9	501.9	4.3
1:36:28 PM	602.1	500.1	501.1	4.3
1:36:29 PM	602.0	499.1	500.9	4.3
1:36:30 PM	601.6	500.1	501.6	4.3
1:36:31 PM	601.9	499.1	503.2	4.3
1:36:32 PM	602.1	499.3	501.8	4.3
1:36:33 PM	602.1	499.4	502.2	4.3
1:36:34 PM	602.2	499.3	501.7	4.3
1:36:35 PM	602.0	499.7	501.6	4.3
1:36:36 PM	602.2	499.5	500.6	4.3
1:36:37 PM	602.2	499.7	502.1	4.3
1:36:38 PM	602.1	499.2	501.5	4.3
1:36:39 PM	602.0	498.9	502.0	4.3
1:36:40 PM	602.1	499.1	502.6	4.3
1:36:41 PM	602.1	499.4	501.2	4.2
1:36:42 PM	602.2	498.7	501.3	4.2
1:36:43 PM	602.1	499.1	501.0	4.2
1:36:44 PM	602.1	499.7	502.4	4.3
1:36:45 PM	602.3	499.9	501.8	4.3
1:36:46 PM	602.3	499.3	502.4	4.3
1:36:47 PM	602.2	499.4	501.3	4.2
1:36:48 PM	602.2	499.3	502.4	4.2
1:36:49 PM	602.3	498.8	502.3	4.2
1:36:50 PM	602.4	498.8	502.4	4.2
1:36:51 PM	602.4	499.2	501.6	4.2
1:36:52 PM	602.3	498.5	501.7	4.2
1:36:53 PM	602.4	498.7	503.0	4.2
1:36:54 PM	602.3	500.0	500.9	4.2
1:36:55 PM	602.3	499.6	502.6	4.2
Averages ->	602.0	499.2	501.6	4.4
			Maximum ->	4.8

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1400

Date 6/14/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
2:28:24 PM	597.7	498.0	505.2	4.3
2:28:25 PM	597.6	497.7	506.1	4.3
2:28:26 PM	597.6	498.9	505.8	4.2
2:28:27 PM	597.8	499.5	506.3	4.2
2:28:28 PM	597.8	499.2	505.8	4.2
2:28:29 PM	597.6	499.5	506.4	4.3
2:28:30 PM	597.7	498.3	505.6	4.3
2:28:31 PM	597.6	500.0	505.4	4.3
2:28:32 PM	597.6	498.7	505.0	4.3
2:28:33 PM	597.8	499.1	505.5	4.3
2:28:34 PM	597.7	498.8	505.6	4.3
2:28:35 PM	597.8	499.5	506.3	4.3
2:28:36 PM	597.7	499.6	506.1	4.3
2:28:37 PM	597.9	499.1	505.2	4.3
2:28:38 PM	597.9	499.9	506.3	4.3
2:28:39 PM	597.8	499.6	505.4	4.3
2:28:40 PM	597.8	498.7	504.8	4.3
2:28:41 PM	597.8	498.9	505.8	4.3
2:28:42 PM	597.9	498.8	505.3	4.3
2:28:43 PM	597.7	498.3	506.1	4.3
2:28:44 PM	597.9	499.5	506.2	4.3
2:28:45 PM	598.0	499.5	506.3	4.3
2:28:46 PM	598.0	499.4	506.7	4.3
2:28:47 PM	597.9	499.2	505.4	4.3
2:28:48 PM	597.9	500.2	505.3	4.3
2:28:49 PM	597.9	498.9	506.0	4.3
2:28:50 PM	597.8	499.6	506.7	4.3
2:28:51 PM	597.9	499.3	506.3	4.3
2:28:52 PM	597.9	499.6	505.8	4.3
2:28:53 PM	589.2	499.0	506.7	4.4
2:28:54 PM	597.9	499.3	506.6	4.4
2:28:55 PM	598.0	500.3	507.0	4.4
2:28:56 PM	597.9	499.9	506.5	4.4
2:28:57 PM	597.9	500.1	505.6	4.4
2:28:58 PM	598.0	499.2	506.4	4.4
2:28:59 PM	598.0	499.8	506.2	4.4
2:29:00 PM	597.9	499.5	506.3	4.4
2:29:01 PM	598.0	499.8	506.1	4.4
2:29:02 PM	598.0	499.3	506.4	4.4
2:29:03 PM	597.9	500.4	505.1	4.4
2:29:04 PM	598.1	499.1	505.9	4.4
2:29:05 PM	598.1	499.9	506.4	4.4
2:29:06 PM	598.0	499.2	506.2	4.4
2:29:07 PM	597.9	499.7	505.0	4.4
2:29:08 PM	598.1	499.1	506.2	4.4
2:29:09 PM	598.1	499.1	506.1	4.4
2:29:10 PM	598.1	498.9	505.7	4.4
2:29:11 PM	598.1	500.3	506.6	4.4
2:29:12 PM	598.0	499.3	507.0	4.4
2:29:13 PM	598.1	499.7	506.4	4.4
2:29:14 PM	598.0	499.9	506.3	4.4
2:29:15 PM	598.1	499.1	505.7	4.4
2:29:16 PM	598.0	500.0	506.7	4.4
2:29:17 PM	598.1	498.2	506.5	4.4
2:29:18 PM	598.1	499.1	506.7	4.4
2:29:19 PM	597.9	498.7	505.5	4.4
2:29:20 PM	598.0	498.9	506.4	4.4
2:29:21 PM	598.1	499.1	506.0	4.4
2:29:22 PM	598.0	498.5	505.7	4.5
2:29:23 PM	598.0	500.0	506.5	4.5
Averages ->	597.8	499.3	506.0	4.4
			Maximum ->	4.5

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1450

Date 6/14/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
3:25:17 PM	606.4	499.7	506.3	3.8
3:25:18 PM	606.5	500.3	507.2	3.8
3:25:19 PM	606.4	500.1	507.1	3.8
3:25:20 PM	606.4	499.5	506.9	3.8
3:25:21 PM	606.2	499.9	506.6	3.8
3:25:22 PM	606.4	499.6	506.9	3.9
3:25:23 PM	606.4	499.9	506.5	3.9
3:25:24 PM	606.4	499.3	506.0	3.9
3:25:25 PM	606.5	499.5	506.1	3.9
3:25:26 PM	606.4	500.0	506.3	3.8
3:25:27 PM	606.5	500.3	507.4	3.9
3:25:28 PM	606.5	499.3	506.9	3.9
3:25:29 PM	606.6	499.5	507.5	3.9
3:25:30 PM	606.5	499.7	506.5	3.9
3:25:31 PM	606.5	499.1	506.2	3.9
3:25:32 PM	606.5	499.8	507.1	3.9
3:25:33 PM	606.6	499.3	506.2	3.9
3:25:34 PM	606.5	499.4	506.6	3.9
3:25:35 PM	606.6	499.9	507.5	3.9
3:25:36 PM	606.6	499.3	506.5	3.9
3:25:37 PM	606.7	500.1	506.7	3.9
3:25:38 PM	606.7	499.4	507.7	4.0
3:25:39 PM	606.5	500.5	506.7	4.0
3:25:40 PM	606.6	499.6	506.5	4.0
3:25:41 PM	606.5	498.6	506.1	4.0
3:25:42 PM	606.7	499.1	507.2	4.0
3:25:43 PM	606.6	499.4	506.9	4.0
3:25:44 PM	606.5	499.1	507.6	4.1
3:25:45 PM	606.8	499.8	507.1	4.1
3:25:46 PM	606.8	499.8	507.8	4.1
3:25:47 PM	606.7	499.3	506.6	4.1
3:25:48 PM	606.8	499.2	506.9	4.1
3:25:49 PM	606.7	499.9	506.5	4.1
3:25:50 PM	606.6	499.1	507.7	4.1
3:25:51 PM	606.5	499.3	507.6	4.1
3:25:52 PM	606.7	499.7	508.2	4.1
3:25:53 PM	606.6	499.3	507.0	4.1
3:25:54 PM	606.6	498.7	506.9	4.1
3:25:55 PM	606.5	500.2	507.3	4.1
3:25:56 PM	606.7	498.5	507.1	4.1
3:25:57 PM	606.7	499.9	507.7	4.1
3:25:58 PM	606.7	498.0	507.4	4.2
3:25:59 PM	606.7	499.3	506.9	4.2
3:26:00 PM	606.7	499.2	507.5	4.2
3:26:01 PM	606.7	499.2	507.3	4.2
3:26:02 PM	606.6	499.7	507.1	4.2
3:26:03 PM	606.7	499.5	507.3	4.2
3:26:04 PM	606.6	499.1	507.0	4.2
3:26:05 PM	606.8	498.3	508.5	4.2
3:26:06 PM	606.6	498.9	506.7	4.2
3:26:07 PM	606.7	498.7	507.0	4.2
3:26:08 PM	606.7	499.1	506.9	4.2
3:26:09 PM	606.7	498.9	506.7	4.2
3:26:10 PM	606.8	498.5	506.8	4.2
3:26:11 PM	606.5	499.5	508.6	4.2
3:26:12 PM	606.7	498.6	506.7	4.2
3:26:13 PM	606.6	498.4	506.4	4.2
3:26:14 PM	606.6	499.2	507.0	4.2
3:26:15 PM	606.6	499.3	507.5	4.3
3:26:16 PM	606.7	499.5	507.9	4.3
Averages ->	606.6	499.4	507.0	4.0
			Maximum ->	4.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1500

Date 6/14/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
4:27:03 PM	601.1	499.1	507.9	7.6
4:27:04 PM	601.0	499.5	507.7	7.6
4:27:05 PM	601.0	498.3	507.0	7.6
4:27:06 PM	600.9	498.9	506.9	7.6
4:27:07 PM	601.0	498.9	508.1	7.6
4:27:08 PM	600.9	499.0	508.5	7.6
4:27:09 PM	601.0	498.7	507.1	7.6
4:27:10 PM	601.0	499.3	507.7	7.6
4:27:11 PM	601.0	498.9	507.2	7.6
4:27:12 PM	601.0	498.7	507.5	7.6
4:27:13 PM	601.0	498.5	507.5	7.6
4:27:14 PM	601.0	499.9	507.7	7.7
4:27:15 PM	600.8	499.6	508.0	7.7
4:27:16 PM	601.1	498.8	506.5	7.7
4:27:17 PM	601.3	499.5	507.9	7.7
4:27:18 PM	601.1	498.9	507.3	7.6
4:27:19 PM	601.2	498.9	507.3	7.6
4:27:20 PM	601.1	499.0	507.9	7.7
4:27:21 PM	601.0	498.8	507.1	7.7
4:27:22 PM	601.2	498.9	507.6	7.7
4:27:23 PM	600.9	499.5	507.7	7.7
4:27:24 PM	601.2	499.7	507.9	7.7
4:27:25 PM	601.2	500.4	508.6	7.7
4:27:26 PM	601.2	499.3	508.0	7.7
4:27:27 PM	601.1	499.0	507.5	7.7
4:27:28 PM	601.1	500.1	508.2	7.7
4:27:29 PM	601.3	499.1	507.9	7.7
4:27:30 PM	601.2	499.3	507.5	7.7
4:27:31 PM	601.3	498.9	508.7	7.7
4:27:32 PM	601.0	499.7	508.1	7.7
4:27:33 PM	601.4	498.9	507.8	7.6
4:27:34 PM	601.2	501.0	507.7	7.6
4:27:35 PM	601.3	500.4	507.8	7.6
4:27:36 PM	601.4	498.9	507.3	7.6
4:27:37 PM	601.3	499.0	506.5	7.7
4:27:38 PM	601.3	499.9	508.4	7.7
4:27:39 PM	601.4	499.7	507.7	7.7
4:27:40 PM	601.2	500.1	508.6	7.7
4:27:41 PM	601.4	499.7	508.5	7.7
4:27:42 PM	601.4	499.0	507.9	7.7
4:27:43 PM	601.5	498.4	506.9	7.7
4:27:44 PM	601.6	499.3	508.5	7.7
4:27:45 PM	601.3	498.9	508.3	7.7
4:27:46 PM	601.4	498.6	507.7	7.7
4:27:47 PM	601.5	499.2	508.0	7.7
4:27:48 PM	601.5	500.4	508.6	7.8
4:27:49 PM	601.5	498.5	507.9	7.7
4:27:50 PM	601.3	500.1	508.3	7.7
4:27:51 PM	601.5	499.2	507.9	7.8
4:27:52 PM	601.5	500.4	509.1	7.8
4:27:53 PM	601.3	499.6	508.5	7.8
4:27:54 PM	601.6	499.3	507.7	7.8
4:27:55 PM	601.5	499.9	507.3	7.8
4:27:56 PM	601.4	499.9	509.1	7.8
4:27:57 PM	601.5	499.3	508.3	7.8
4:27:58 PM	601.6	499.3	508.3	7.8
4:27:59 PM	601.5	499.6	508.6	7.8
4:28:00 PM	601.5	498.5	508.8	7.8
4:28:01 PM	601.4	500.0	508.3	7.8
4:28:02 PM	601.5	499.2	508.9	7.8
Averages ->	601.2	499.3	507.9	7.7
			Maximum ->	7.8

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1500

Date 6/15/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
7:47:38 AM	598.9	80.2	88.5	2.2
7:47:39 AM	599.0	79.3	89.1	2.1
7:47:40 AM	599.0	79.3	88.7	1.9
7:47:41 AM	599.0	79.3	90.0	1.8
7:47:42 AM	599.0	80.2	89.6	2.0
7:47:43 AM	599.0	80.6	88.9	1.9
7:47:44 AM	598.9	79.4	88.9	2.0
7:47:45 AM	598.9	80.0	89.6	2.0
7:47:46 AM	598.9	79.7	90.0	2.2
7:47:47 AM	598.9	79.0	89.4	2.1
7:47:48 AM	599.0	80.6	88.7	2.0
7:47:49 AM	599.0	79.7	89.5	2.1
7:47:50 AM	598.9	79.9	88.7	2.2
7:47:51 AM	598.9	79.3	88.6	2.2
7:47:52 AM	598.8	80.2	89.7	2.0
7:47:53 AM	599.0	80.2	88.1	2.0
7:47:54 AM	599.0	79.7	88.7	2.0
7:47:55 AM	599.0	79.3	89.1	2.3
7:47:56 AM	599.0	80.0	89.5	2.1
7:47:57 AM	598.8	80.1	88.4	2.0
7:47:58 AM	599.0	79.8	89.4	1.9
7:47:59 AM	599.0	80.5	88.7	1.9
7:48:00 AM	599.1	79.7	88.4	2.0
7:48:01 AM	598.9	79.9	88.7	2.1
7:48:02 AM	599.0	79.3	89.0	2.0
7:48:03 AM	598.8	79.4	89.3	1.9
7:48:04 AM	598.9	80.7	89.1	1.9
7:48:05 AM	598.9	80.4	89.1	1.9
7:48:06 AM	599.0	80.0	88.9	2.1
7:48:07 AM	599.1	80.5	88.5	2.2
7:48:08 AM	599.0	79.7	89.2	2.2
7:48:09 AM	599.0	79.2	88.9	2.0
7:48:10 AM	598.9	80.4	90.4	2.0
7:48:11 AM	598.9	80.1	88.4	1.8
7:48:12 AM	598.9	80.3	90.0	1.9
7:48:13 AM	599.0	79.3	89.1	2.1
7:48:14 AM	599.0	80.2	90.0	1.9
7:48:15 AM	598.9	80.3	89.7	2.0
7:48:16 AM	598.8	80.5	89.5	2.1
7:48:17 AM	599.0	81.0	90.0	2.2
7:48:18 AM	599.0	80.0	90.0	1.9
7:48:19 AM	599.0	80.1	89.3	2.0
7:48:20 AM	599.0	79.7	88.9	2.1
7:48:21 AM	599.0	79.8	89.9	2.1
7:48:22 AM	598.9	80.0	89.1	2.2
7:48:23 AM	599.0	80.5	89.3	2.2
7:48:24 AM	599.0	80.1	88.1	2.2
7:48:25 AM	599.0	80.5	89.3	2.0
7:48:26 AM	598.9	80.7	89.2	2.0
7:48:27 AM	598.8	80.9	89.4	2.2
7:48:28 AM	598.9	80.5	90.0	2.1
7:48:29 AM	598.8	80.1	88.5	2.2
7:48:30 AM	598.9	80.2	89.1	2.1
7:48:31 AM	599.0	80.0	89.0	2.2
7:48:32 AM	599.0	79.7	89.3	2.1
7:48:33 AM	599.0	79.8	89.0	2.0
7:48:34 AM	599.0	79.0	88.9	2.1
7:48:35 AM	598.9	79.3	88.9	2.2
7:48:36 AM	598.9	80.0	88.9	2.1
7:48:37 AM	598.8	80.2	89.1	2.0
Averages ->	598.9	80.0	89.2	2.1
			Maximum ->	2.3

Yarmouth Research and Technology, LLC

Valve Description: Teadit Style 2236

Cycle Number: 1510

Date 6/15/2011

Time	Pressure (psig)	Packing Temp. (deg. F)	Inside Temp. (deg. F)	PPMv Reading
7:55:01 AM	595.8	80.2	87.6	3.5
7:55:02 AM	595.7	80.4	89.0	3.5
7:55:03 AM	595.7	79.7	88.8	3.5
7:55:04 AM	595.4	80.6	87.4	3.5
7:55:05 AM	595.6	80.6	87.8	3.5
7:55:06 AM	595.7	81.3	89.0	3.5
7:55:07 AM	595.6	80.6	87.6	3.5
7:55:08 AM	595.8	79.9	88.1	3.6
7:55:09 AM	595.5	80.5	88.4	3.6
7:55:10 AM	595.7	81.0	87.2	3.6
7:55:11 AM	595.5	81.0	87.9	3.5
7:55:12 AM	595.4	81.3	86.7	3.6
7:55:13 AM	595.4	80.7	88.3	3.6
7:55:14 AM	595.4	80.3	86.2	3.6
7:55:15 AM	595.6	80.0	88.5	3.6
7:55:16 AM	595.4	81.0	85.8	3.6
7:55:17 AM	595.5	80.0	87.6	3.6
7:55:18 AM	595.4	80.1	86.1	3.6
7:55:19 AM	595.3	79.8	87.8	3.7
7:55:20 AM	595.4	80.1	86.1	3.6
7:55:21 AM	595.7	80.6	86.6	3.6
7:55:22 AM	595.4	79.9	87.7	3.6
7:55:23 AM	595.4	79.8	86.8	3.6
7:55:24 AM	595.5	81.0	85.7	3.6
7:55:25 AM	595.3	79.6	88.0	3.6
7:55:26 AM	595.4	81.0	86.0	3.6
7:55:27 AM	595.6	80.4	86.4	3.6
7:55:28 AM	595.4	80.3	86.1	3.7
7:55:29 AM	595.4	80.3	86.4	3.7
7:55:30 AM	595.4	81.2	85.0	3.6
7:55:31 AM	595.4	80.7	86.8	3.6
7:55:32 AM	595.4	81.2	86.3	3.6
7:55:33 AM	595.4	81.5	85.7	3.7
7:55:34 AM	595.3	79.8	86.9	3.6
7:55:35 AM	595.4	79.4	85.4	3.7
7:55:36 AM	595.4	80.4	85.2	3.7
7:55:37 AM	595.3	80.6	87.2	3.7
7:55:38 AM	595.5	81.3	86.5	3.7
7:55:39 AM	595.3	81.8	86.6	3.7
7:55:40 AM	595.3	80.1	86.9	3.7
7:55:41 AM	595.4	80.8	85.0	3.7
7:55:42 AM	595.3	80.3	85.0	3.7
7:55:43 AM	595.3	80.7	87.6	3.7
7:55:44 AM	595.4	79.9	85.3	3.7
7:55:45 AM	595.3	81.2	85.0	3.7
7:55:46 AM	595.3	80.2	85.7	3.7
7:55:47 AM	595.2	79.8	86.0	3.7
7:55:48 AM	595.3	81.2	84.6	3.7
7:55:49 AM	595.3	80.4	85.6	3.7
7:55:50 AM	595.2	80.8	85.6	3.7
7:55:51 AM	595.2	81.0	83.9	3.7
7:55:52 AM	595.3	80.1	85.2	3.7
7:55:53 AM	595.3	79.6	85.4	3.7
7:55:54 AM	595.4	80.8	84.8	3.8
7:55:55 AM	595.2	80.6	83.9	3.8
7:55:56 AM	595.3	80.8	84.8	3.8
7:55:57 AM	595.4	80.1	85.8	3.8
7:55:58 AM	595.2	82.2	85.0	3.8
7:55:59 AM	595.2	81.6	86.3	3.8
7:56:00 AM	595.2	80.5	85.0	3.8
Averages ->	595.4	80.5	86.4	3.7
			Maximum ->	3.8