

Fire Test Report
API Standard 607, Fourth Edition
With Exxon Modifications

Performed for

Triangle Fluid Controls, Ltd.

www.trianglefluid.com



6 inch Class 300
Durlon SWG DRI-ETG Gasket

Project Number: 215196
Test Date: August 27, 2015



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

434 Walnut Hill Road
North Yarmouth, ME 04097 USA
(207) 829-5359

info@yarmouthresearch.com
www.yarmouthresearch.com

Yarmouth Research and Technology

API 607 4th Edition Fire Test Data

Customer: Triangle Fluid Controls

Date: 8/27/2015

Project Number: 215196

Specification: API 607 4th Edition with Exxon Modifications

Product Description: 6 inch Class 300 Durlon SWG DRI-ETG Gasket

Flange Mfr: Kirkau

YRT Technician: Matthew J. Wasielewski, P.E.

Bolt Torques (ft-lbs)

Bolt Location	At Start of Test	At End of Test
Upstream #1	200	185
Upstream #2	200	165
Upstream #3	200	165
Upstream #4	200	170
Downstream #1	200	170
Downstream #2	200	180
Downstream #3	200	155
Downstream #4	200	160

Fire and Cooldown Data:

Start Time:	9:52 AM	(EST)
Average Test Pressure:	30	psig
Combined Leak Rate of Both Gaskets:	30.9	ml/min
Allowable Leakage:	300	ml/min
Is Leakage Below Allowable?:	Yes	

Post Burn Leakage Test

Start Time:	10:33 AM	(EST)
Average Test Pressure:	31	psig
Leak Rate Side A:	0	ml/min
Leak Rate Side B:	0	ml/min
Combined Leak Rate of Both Gaskets:	0	ml/min
Allowable Leakage:	300	ml/min
Is Leakage Below Allowable?:	Yes	
Does Gasket Pass API 607 Leakage Requirements?:	YES	

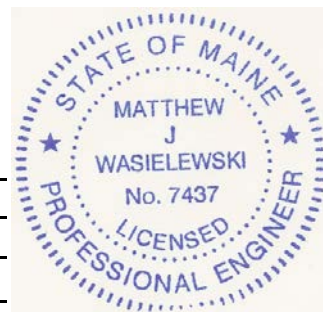
Certified by



Matthew J. Wasielewski, PE

President and Manager

Yarmouth Research and Technolgy, LLC



Yarmouth Research and Technology

Exxon Additional Requirements to API 607 4th Edition Fire Test

Customer: Triangle Fluid Controls	Date: 8/27/2015
Project Number: 215196	
Specification: Exxon additional requirements to API 607 4th Edition	
Product Code: 6 inch Class 300 Durlon SWG DRI-ETG Gasket	
Flange Mfgr: Kirkau	
YRT Technician: Matthew J. Wasielewski, P.E.	

Bolt Torques (ft-lbs)

Bolt Location	At Start of Test	At Test Completion
Upstream #1	200	185
Upstream #2	200	165
Upstream #3	200	165
Upstream #4	200	170
Downstream #1	200	170
Downstream #2	200	180
Downstream #3	200	155
Downstream #4	200	160

Test Pressure (psig)	Side A Leak Rate (ml/min)	Side B Leak Rate (ml/min)	Total Leak Rate (ml/min)	Flange Bolt Retorques
30	0	0	0	
50	0	0	0	
100	0	0	0	
200	0	0	0	
300	0	0	0	
700	0	0	0	

Does Gasket Pass Additional Leakage Requirements?:	YES
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Matthew J. Wasielewski

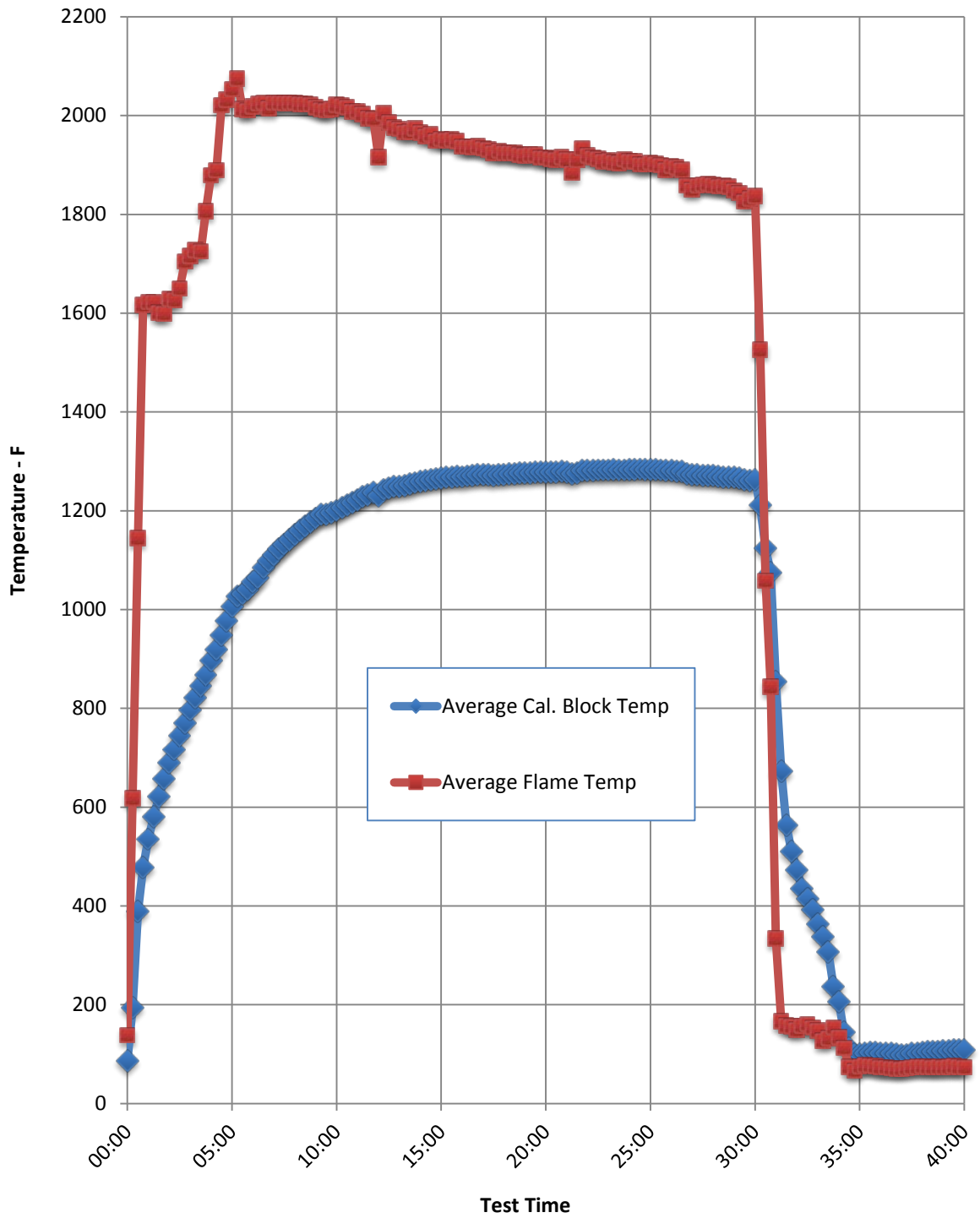
Certified by

 Matthew J. Wasielewski, PE

 Yarmouth Research and Technology, LLC



Time vs Temperature Chart

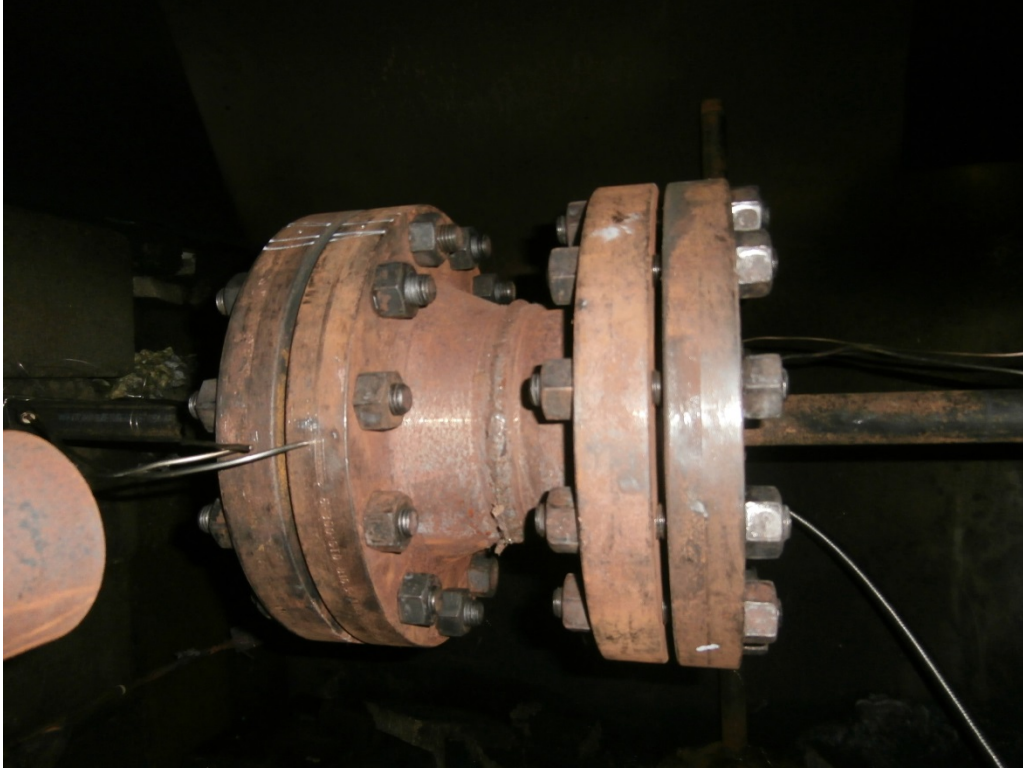


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Test Gaskets Prior to Burn

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Test Set Up Prior to Burn



Test During Burn

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Fire Test Information

Customer: Triangle Fluid Controls

Date: 8/27/2015

Project Number: 215196

Product Code: 6 inch Class 300 Durlon SWG DRI-ETG Gasket

Burn and Cooldown Raw Data

Time	Pressure (psig)	Water Volume (mls)	Upstream Flange 1 Temp - F	Upstream Flange 2 Temp - F	Downstrm Flange 3 Temp - F	Downstrm Flange 4 Temp - F	Upstream Flame 5 Temp - F	Downstrm Flame 6 Temp - F
9:52:00	31	38057	102	104	70	71	161	115
9:52:15	31	38067	171	191	163	252	799	436
9:52:30	31	38110	360	382	345	470	1500	788
9:52:45	31	38193	430	458	441	583	1524	1708
9:53:00	31	38253	485	509	495	651	1536	1708
9:53:15	31	38362	533	559	533	697	1536	1708
9:53:30	31	38459	576	599	571	737	1509	1692
9:53:45	31	38545	612	641	607	766	1512	1687
9:54:00	31	38645	650	684	635	787	1550	1706
9:54:15	31	38784	684	724	657	799	1553	1700
9:54:30	32	38903	718	762	680	817	1578	1722
9:54:45	32	39042	756	808	696	822	1656	1753
9:55:00	32	39122	791	850	714	832	1671	1759
9:55:15	32	39389	826	883	732	846	1689	1766
9:55:30	32	39537	855	916	749	858	1678	1772
9:55:45	32	39639	893	955	762	862	1795	1818
9:56:00	29	40141	944	1007	770	866	1895	1863
9:56:15	30	40107	981	1046	779	868	1904	1874
9:56:30	30	40000	1033	1092	789	878	2080	1961
9:56:45	31	38770	1074	1125	806	899	2087	1976
9:57:00	31	37514	1105	1154	834	932	2106	2000
9:57:15	32	40408	1130	1176	853	947	2124	2026
9:57:30	32	42017	1125	1167	870	963	2043	1984
9:57:45	32	42086	1124	1166	889	983	2030	1990
9:58:00	30	41528	1126	1169	915	1011	2029	2007
9:58:15	30	41890	1129	1172	933	1025	2031	2018
9:58:30	31	41253	1133	1176	964	1067	2033	2019
9:58:45	31	42748	1133	1179	990	1094	2024	2006
9:59:00	31	42341	1137	1183	1010	1112	2033	2018
9:59:30	31	42487	1144	1192	1028	1129	2033	2019
9:59:45	31	42257	1148	1197	1045	1145	2032	2018
10:00:00	32	42602	1152	1201	1061	1160	2032	2020
10:00:15	31	42970	1154	1204	1076	1176	2032	2020
10:00:30	29	42664	1158	1208	1090	1190	2026	2021
10:00:45	29	42837	1161	1212	1104	1201	2027	2020
10:01:00	29	42640	1165	1217	1117	1216	2024	2020

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Time	Pressure (psig)	Water Volume (mls)	Upstream Flange 1 Temp - F	Upstream Flange 2 Temp - F	Downstrm Flange 3 Temp - F	Downstrm Flange 4 Temp - F	Upstream Flame 5 Temp - F	Downstrm Flame 6 Temp - F
10:01:15	29	42753	1169	1219	1141	1239	2018	2007
10:01:30	33	43543	1172	1222	1144	1232	2016	2004
10:01:45	30	42770	1176	1226	1147	1231	2017	2010
10:02:00	30	42660	1180	1230	1154	1237	2023	2019
10:02:15	29	42278	1185	1234	1163	1243	2022	2018
10:02:30	29	42807	1189	1237	1170	1250	2018	2014
10:02:45	32	42549	1192	1240	1178	1256	2014	2002
10:03:00	31	42720	1196	1245	1186	1261	2019	1998
10:03:15	30	42383	1200	1249	1195	1267	2013	1992
10:03:30	29	42261	1202	1251	1202	1271	2005	1984
10:03:45	29	41786	1206	1255	1210	1278	2007	1979
10:04:00	32	42838	1194	1235	1215	1278	1909	1922
10:04:15	32	42843	1212	1258	1220	1280	2030	1980
10:04:30	29	42514	1214	1258	1226	1284	2005	1966
10:04:45	29	41758	1214	1259	1231	1288	1995	1957
10:05:00	29	41670	1216	1261	1233	1286	1996	1950
10:05:15	32	42621	1217	1263	1236	1287	1989	1943
10:05:30	32	43116	1220	1264	1239	1289	1990	1943
10:05:45	32	43002	1224	1268	1243	1291	1999	1948
10:06:00	29	42259	1226	1270	1246	1293	1990	1940
10:06:15	30	42259	1226	1271	1249	1294	1984	1932
10:06:30	30	42027	1231	1276	1250	1294	1992	1932
10:06:45	30	42084	1231	1276	1253	1296	1976	1922
10:07:00	32	42785	1234	1278	1254	1296	1983	1922
10:07:15	32	42855	1237	1281	1255	1295	1983	1916
10:07:30	32	42929	1240	1283	1255	1293	1985	1918
10:07:45	30	42615	1242	1285	1256	1295	1981	1916
10:08:00	30	41718	1240	1284	1256	1293	1967	1907
10:08:15	29	42106	1242	1284	1258	1296	1969	1905
10:08:30	30	42481	1243	1285	1259	1297	1967	1905
10:08:45	30	42139	1246	1287	1259	1298	1971	1905
10:09:00	29	42551	1247	1288	1259	1297	1967	1900
10:09:15	30	41928	1249	1288	1258	1295	1965	1898
10:09:30	29	41824	1248	1287	1258	1294	1956	1892
10:09:45	32	42382	1250	1288	1259	1294	1963	1893
10:10:00	32	42504	1250	1289	1259	1295	1957	1890
10:10:15	32	42812	1251	1291	1260	1295	1959	1890
10:10:30	33	42938	1253	1292	1260	1294	1959	1890
10:10:45	32	42827	1254	1293	1261	1294	1955	1887
10:11:00	30	42487	1255	1294	1261	1294	1953	1886
10:11:15	31	42871	1256	1295	1261	1295	1955	1886
10:11:30	30	42134	1257	1297	1262	1295	1957	1884
10:11:45	30	42137	1259	1298	1261	1296	1949	1880
10:12:00	30	42159	1258	1298	1260	1295	1950	1880
10:12:15	31	42418	1259	1300	1259	1292	1946	1878
10:12:30	32	42495	1259	1298	1259	1295	1943	1877

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Time	Pressure (psig)	Water Volume (mls)	Upstream Flange 1 Temp - F	Upstream Flange 2 Temp - F	Downstrm Flange 3 Temp - F	Downstrm Flange 4 Temp - F	Upstream Flame 5 Temp - F	Downstrm Flame 6 Temp - F
10:12:45	32	43411	1262	1302	1259	1295	1952	1880
10:13:00	31	42870	1261	1301	1256	1291	1944	1876
10:13:15	31	42922	1256	1293	1258	1294	1910	1858
10:13:30	29	42014	1260	1297	1257	1292	1946	1875
10:13:45	29	42442	1269	1306	1258	1294	1977	1890
10:14:00	29	42080	1268	1306	1258	1293	1958	1880
10:14:15	29	42242	1268	1306	1257	1294	1953	1877
10:14:30	29	41889	1269	1308	1257	1295	1951	1874
10:14:45	30	42637	1268	1309	1256	1295	1945	1870
10:15:00	29	41155	1269	1309	1255	1295	1947	1870
10:15:15	32	42813	1269	1311	1255	1295	1943	1868
10:15:30	32	43614	1270	1312	1253	1294	1941	1866
10:15:45	32	42701	1271	1313	1251	1293	1950	1872
10:16:00	32	42851	1273	1313	1253	1293	1944	1869
10:16:15	31	43490	1273	1314	1253	1294	1946	1869
10:16:30	28	42109	1273	1314	1253	1296	1937	1864
10:16:45	29	42099	1273	1313	1252	1292	1937	1864
10:17:00	28	43073	1274	1314	1253	1293	1943	1866
10:17:15	29	41740	1274	1314	1250	1292	1941	1864
10:17:30	29	42751	1274	1314	1250	1291	1937	1862
10:17:45	29	42153	1273	1312	1249	1290	1926	1855
10:18:00	29	43240	1274	1313	1248	1291	1935	1860
10:18:15	31	42635	1273	1310	1248	1289	1933	1857
10:18:30	31	42810	1272	1310	1248	1289	1926	1855
10:18:45	31	42716	1265	1299	1247	1287	1885	1832
10:19:00	30	42635	1262	1295	1246	1286	1874	1826
10:19:15	29	43053	1261	1293	1248	1287	1885	1832
10:19:30	29	42166	1260	1292	1248	1287	1887	1833
10:19:45	29	42383	1259	1292	1247	1287	1890	1834
10:20:00	28	42082	1258	1291	1247	1287	1886	1832
10:20:15	31	42681	1255	1288	1247	1286	1884	1830
10:20:30	31	42849	1254	1285	1247	1285	1885	1831
10:20:45	31	42804	1252	1285	1247	1287	1883	1828
10:21:00	31	42928	1251	1282	1247	1288	1874	1822
10:21:15	27	41081	1248	1281	1246	1285	1868	1819
10:21:30	29	42216	1245	1275	1245	1284	1844	1808
10:21:45	29	41957	1244	1273	1245	1283	1852	1813
10:22:00	29	42270	1243	1274	1245	1290	1860	1815
10:22:15	29	42398	1221	1241	1198	1181	1577	1474
10:22:30	29	41764	1141	1149	1131	1072	1081	1036
10:22:45	29	42294	1092	1101	1089	1016	861	826
10:23:00	28	41814	1059	1064	856	436	405	263
10:23:15	29	42108	1000	791	675	221	176	156
10:23:30	28	41869	924	757	359	213	171	144
10:23:45	27	40760	862	743	233	202	170	142
10:24:00	27	39523	797	728	193	171	172	126

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Time	Pressure (psig)	Water Volume (mls)	Upstream Flange 1 Temp - F	Upstream Flange 2 Temp - F	Downstrm Flange 3 Temp - F	Downstrm Flange 4 Temp - F	Upstream Flame 5 Temp - F	Downstrm Flame 6 Temp - F
10:24:15	27	39459	752	703	149	138	184	129
10:24:30	27	39670	714	683	132	126	192	129
10:24:45	28	39068	682	662	111	115	183	124
10:25:00	27	38556	628	614	99	109	174	122
10:25:15	30	37764	580	579	90	100	145	109
10:25:30	29	37427	495	557	84	90	152	112
10:25:45	29	37163	265	513	81	87	182	126
10:26:00	29	37141	219	444	79	82	155	112
10:26:15	29	37135	176	242	76	79	128	98
10:26:30	29	37096	134	166	74	76	76	72
10:26:45	29	37103	114	135	72	75	67	66
10:27:00	33	36881	117	142	70	72	78	72
10:27:15	32	36953	121	148	69	70	81	74
10:27:30	31	36940	122	150	69	69	80	73
10:27:45	31	36945	124	150	68	68	79	72
10:28:00	31	36928	123	150	66	68	76	70
10:28:15	31	36900	123	149	66	67	76	70
10:28:30	31	36893	121	148	66	67	75	69
10:28:45	31	36874	121	146	66	66	73	68
10:29:00	31	36873	119	145	65	66	72	68
10:29:15	31	36861	119	144	66	66	74	69
10:29:30	31	36854	120	149	67	67	75	72
10:29:45	31	36850	121	149	69	68	76	72
10:30:00	31	36841	122	149	70	70	78	72
10:30:15	31	36840	123	149	73	72	76	72
10:30:30	31	36847	125	148	74	72	76	71
10:30:45	31	36846	126	148	75	74	76	72
10:31:00	31	36835	127	147	77	75	76	71
10:31:15	31	36813	127	147	78	76	77	72
10:31:30	31	36827	128	147	80	77	78	74
10:31:45	31	36831	129	147	82	78	76	72
10:32:00	31	36822	130	146	82	79	75	72

End of 30 minute Burn and 10 minute Cooldown

Yarmouth Research and Technology, LLC

Leakage Summary for Burn and Cool Down Periods

Leakage was collected electronically.

Start Water Volume:	38057	mls
End Water Volume:	36822	mls
Total Water Lost During 40 Minute Burn and Cooldown:	1235	mls
Water Collected in System Relief:	0	mls
Calculated Water Leakage:	1235	mls
Calculated Average Leak Rate Over 40 Minute Duration:	31	ml/min

Summary of Test Parameters During Burn and Cool Down Periods

Pressure Information

Amount of Time Pressure Dropped Below 15 psig:	0.0	minutes
Maximum Allowable Low Pressure Time:	2.0	minutes
Average Pressure During Burn:	30.3	psig
Maximum Pressure During Burn/Cool Down:	33.0	psig
Minimum Pressure During Burn/Cool Down:	27.0	psig

Flange Temperature Information

Three out of four times must be greater than 15:00.

Flange Number	Time Temp > 1200 deg.	Max Temp-F	Min Temp-F	Average Temp-F
1	18.8	1274	102	958
2	22.0	1314	104	992
3	18.5	1262	65	887
4	21.3	1298	66	928

Flame Temperature Information

Maximum Upstream Flame Temperature During Burn:	2124	deg. F
Average Upstream Flame Temperature During Burn:	1491	deg. F
Maximum Downstream Flame Temperature During Burn:	2026	deg. F
Average Downstream Flame Temperature During Burn:	1454	deg. F
Average of Both Flame Temperatures During Burn:	1473	deg. F

Notes

Yarmouth Research and Technology, LLC

Post Burn Test Information

Customer: Triangle Fluid Controls

Date: 8/27/2015

Project Number: 215196

Product Code: 6 inch Class 300 Durlon SWG DRI-ETG Gasket

Test Pressure: 30

Raw Data

Time	Pressure (psig)	Flange 1 Temp - F	Flange 2 Temp - F	Flange 3 Temp - F	Flange 4 Temp - F
10:33:29	31	106	103	137	141
10:33:44	31	106	103	137	141
10:33:59	31	106	103	137	140
10:34:14	31	106	103	137	140
10:34:29	31	106	103	137	141
10:34:44	31	106	103	137	141
10:34:59	31	106	103	137	141
10:35:14	31	106	103	137	141
10:35:29	31	106	103	137	141
10:35:44	31	106	103	137	140
10:35:59	31	106	103	137	141
10:36:14	31	106	103	137	140
10:36:29	31	106	103	137	140
10:36:44	31	106	103	137	140
10:36:59	31	106	103	137	141
10:37:14	31	106	103	137	141
10:37:29	31	106	103	137	141
10:37:44	31	106	103	137	141
10:37:59	31	106	103	137	141
10:38:14	31	106	103	137	141
10:38:29	31	106	103	137	141

Leakage Collected from Upstream Flange Gasket A:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Leakage Collected from Downstream Flange Gasket B:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Were Both Flange Leakages Below 150 ml/min?	Yes	

Yarmouth Research and Technology, LLC

Post Burn Test Information

Customer: Triangle Fluid Controls

Date: 8/27/2015

Project Number: 215196

Product Code: 6 inch Class 300 Durlon SWG DRI-ETG Gasket

Test Pressure: 50

Raw Data

Time	Pressure (psig)	Flange 1 Temp - F	Flange 2 Temp - F	Flange 3 Temp - F	Flange 4 Temp - F
10:39:08	51	105	102	137	140
10:39:23	51	105	102	137	139
10:39:38	50	105	102	137	139
10:39:53	50	105	102	137	139
10:40:08	50	105	102	137	140
10:40:23	50	105	102	137	140
10:40:38	50	105	102	137	139
10:40:53	50	105	102	137	140
10:41:08	50	105	102	137	140
10:41:23	50	105	102	137	139
10:41:38	50	105	102	137	140
10:41:53	50	105	102	137	140
10:42:08	50	105	102	137	140
10:42:23	50	105	102	137	140
10:42:38	50	105	102	137	140
10:42:53	50	105	102	137	139
10:43:08	50	105	102	137	139
10:43:23	50	105	102	137	140
10:43:38	50	105	102	137	140
10:43:53	50	105	102	137	140
10:44:08	50	105	102	137	140

Leakage Collected from Upstream Flange Gasket A:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Leakage Collected from Downstream Flange Gasket B:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Were Both Flange Leakages Below 150 ml/min?	Yes	

Yarmouth Research and Technology, LLC

Post Burn Test Information

Customer: Triangle Fluid Controls

Date: 8/27/2015

Project Number: 215196

Product Code: 6 inch Class 300 Durlon SWG DRI-ETG Gasket

Test Pressure: 100

Raw Data

Time	Pressure (psig)	Flange 1 Temp - F	Flange 2 Temp - F	Flange 3 Temp - F	Flange 4 Temp - F
10:46:00	100	104	100	135	137
10:46:15	99	104	100	134	136
10:46:30	113	104	100	134	136
10:46:45	101	103	100	135	136
10:47:00	100	103	100	135	136
10:47:15	100	104	100	135	136
10:47:30	100	103	100	135	136
10:47:45	100	103	100	135	136
10:48:00	100	104	101	135	136
10:48:15	100	104	100	135	136
10:48:30	100	103	100	135	135
10:48:45	100	103	100	135	136
10:49:00	100	103	101	135	136
10:49:15	100	104	100	136	135
10:49:30	99	103	101	135	136
10:49:45	100	103	101	135	135
10:50:00	100	103	101	135	136
10:50:15	100	104	101	135	136
10:50:30	100	103	101	135	135
10:50:45	100	103	101	135	136
10:51:00	100	103	101	135	135

Leakage Collected from Upstream Flange Gasket A:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Leakage Collected from Downstream Flange Gasket B:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Were Both Flange Leakages Below 150 ml/min?	Yes	

Yarmouth Research and Technology, LLC

Post Burn Test Information

Customer: Triangle Fluid Controls

Date: 8/27/2015

Project Number: 215196

Product Code: 6 inch Class 300 Durlon SWG DRI-ETG Gasket

Test Pressure: 200

Raw Data

Time	Pressure (psig)	Flange 1 Temp - F	Flange 2 Temp - F	Flange 3 Temp - F	Flange 4 Temp - F
10:51:15	201	104	101	135	135
10:51:30	209	103	101	134	136
10:51:45	201	103	101	134	135
10:52:00	197	103	101	135	135
10:52:15	196	104	101	134	135
10:52:30	195	104	102	135	135
10:52:45	195	103	101	134	135
10:53:00	194	104	101	134	134
10:53:15	194	103	101	134	134
10:53:30	194	104	101	134	135
10:53:45	194	103	100	134	135
10:54:00	194	103	101	134	134
10:54:15	194	103	101	134	134
10:54:30	194	104	101	134	134
10:54:45	194	103	101	134	135
10:55:00	194	103	101	134	134
10:55:15	200	103	101	134	134
10:55:30	200	104	101	133	134
10:55:45	199	103	101	134	134
10:56:00	199	104	101	134	134
10:56:15	198	103	101	134	134

Leakage Collected from Upstream Flange Gasket A:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Leakage Collected from Downstream Flange Gasket B:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Were Both Flange Leakages Below 150 ml/min?	Yes	

Yarmouth Research and Technology, LLC

Post Burn Test Information

Customer: Triangle Fluid Controls

Date: 8/27/2015

Project Number: 215196

Product Code: 6 inch Class 300 Durlon SWG DRI-ETG Gasket

Test Pressure: 300

Raw Data

Time	Pressure (psig)	Flange 1 Temp - F	Flange 2 Temp - F	Flange 3 Temp - F	Flange 4 Temp - F
10:57:15	299	103	101	134	134
10:57:30	297	103	101	134	134
10:57:45	295	103	100	133	134
10:58:00	300	103	101	134	134
10:58:15	299	103	101	134	134
10:58:30	298	103	101	134	134
10:58:45	298	103	101	134	134
10:59:00	297	102	101	134	134
10:59:15	297	103	101	133	134
10:59:30	297	103	101	134	134
10:59:45	301	103	101	133	134
11:00:00	301	103	100	134	134
11:00:15	300	103	101	133	134
11:00:30	300	102	101	134	134
11:00:45	300	103	101	133	134
11:01:00	300	103	100	133	133
11:01:15	300	103	101	133	134
11:01:30	300	103	101	133	134
11:01:45	300	102	100	133	134
11:02:00	299	103	101	133	133
11:02:15	300	103	101	133	134

Leakage Collected from Upstream Flange Gasket A:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Leakage Collected from Downstream Flange Gasket B:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Were Both Flange Leakages Below 150 ml/min?	Yes	

Yarmouth Research and Technology, LLC

Post Burn Test Information

Customer: Triangle Fluid Controls

Date: 8/27/2015

Project Number: 215196

Product Code: 6 inch Class 300 Durlon SWG DRI-ETG Gasket

Test Pressure: 700

Raw Data

Time	Pressure (psig)	Flange 1 Temp - F	Flange 2 Temp - F	Flange 3 Temp - F	Flange 4 Temp - F
11:14:55	706	103	101	133	133
11:06:51	706	102	100	133	133
11:07:06	706	103	101	133	133
11:07:21	705	103	101	133	133
11:07:36	705	102	101	132	133
11:07:51	705	102	100	133	133
11:08:06	705	103	101	133	133
11:08:21	705	102	100	133	132
11:08:36	704	102	101	132	133
11:08:51	704	102	100	133	133
11:09:06	704	102	100	132	133
11:09:21	703	102	100	133	133
11:09:36	703	102	100	133	133
11:09:51	703	102	100	132	133
11:10:06	703	103	100	132	133
11:10:21	703	102	100	132	133
11:10:36	703	102	100	132	133
11:10:51	702	102	100	132	132
11:11:06	702	102	100	132	132
11:11:21	702	102	100	132	132
11:11:36	702	102	100	132	132

Leakage Collected from Upstream Flange Gasket A:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Leakage Collected from Downstream Flange Gasket B:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Were Both Flange Leakages Below 150 ml/min?	Yes	

Notes:
