

Fire Test Report
API Standard 6FB, Third Edition

Performed for

Garlock Pipeline Technologies

<http://www.gptindustries.com>



6 inch Class 300 VCFS Gasket
1 mil Dielectric Film w/ 1 mil adhesive

Project Number: 215082
Test Date: March 23, 2015



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

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Yarmouth Research and Technology, LLC

API 6FB FIRE TEST REPORT

Customer:	Garlock Pipeline Technologies	Date:	3/23/2015
Project Number:	215082		
Product Code:	6 inch Class 300 VCFS Gasket		
	1 mil Dielectric Film w/ 1 mil adhesive both sides		
Specification:	API 6FB, Third Edition, Nov. 1998		
	Non-Bending, On-shore Test		
Gasket Thickness:	0.305	inches	
Seal Area OD:	7.375	Seal Area ID:	6.250 inches
Mean Seal Diameter:	6.813	inches	
Mean Circumference:	21.4	inches	
Allowable Leakage:	21.4	ml/min	
Nominal Test Pressure:	555	psig	
YRT Technician:	Matthew J. Wasielewski, P.E.		
	Version of YRT's FIRE-Control 6FB Software:	A	
	Equipment Confirmed to be in Calibration to NIST Standards:	Yes	

Burn and Cool Down Test

Burn Start Time:	13:55:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	565	psig
Leak Rate During Burn/Cool Down:	0	ml/min
Allowable External Leak Rate:	21.4	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	20.5	minutes
Were Test Conditions Within Compliance?	Yes	

Was the Leakage Below the Allowable?	Yes
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Depressurization - Re-pressurization Test

Average Pressure During Test:	553	psig
Gasket Leak Rate:	0.3	ml/min
Allowable External Leak Rate:	21.4	ml/min
Was the Leakage Below the Allowable?	Yes	
Does the Gasket Pass or Fail API 6FB?	PASS	

Certified By:



Matthew J. Wasielewski, PE
President and Manager
Yarmouth Research and Technology, LLC



Temperature verses Time Chart

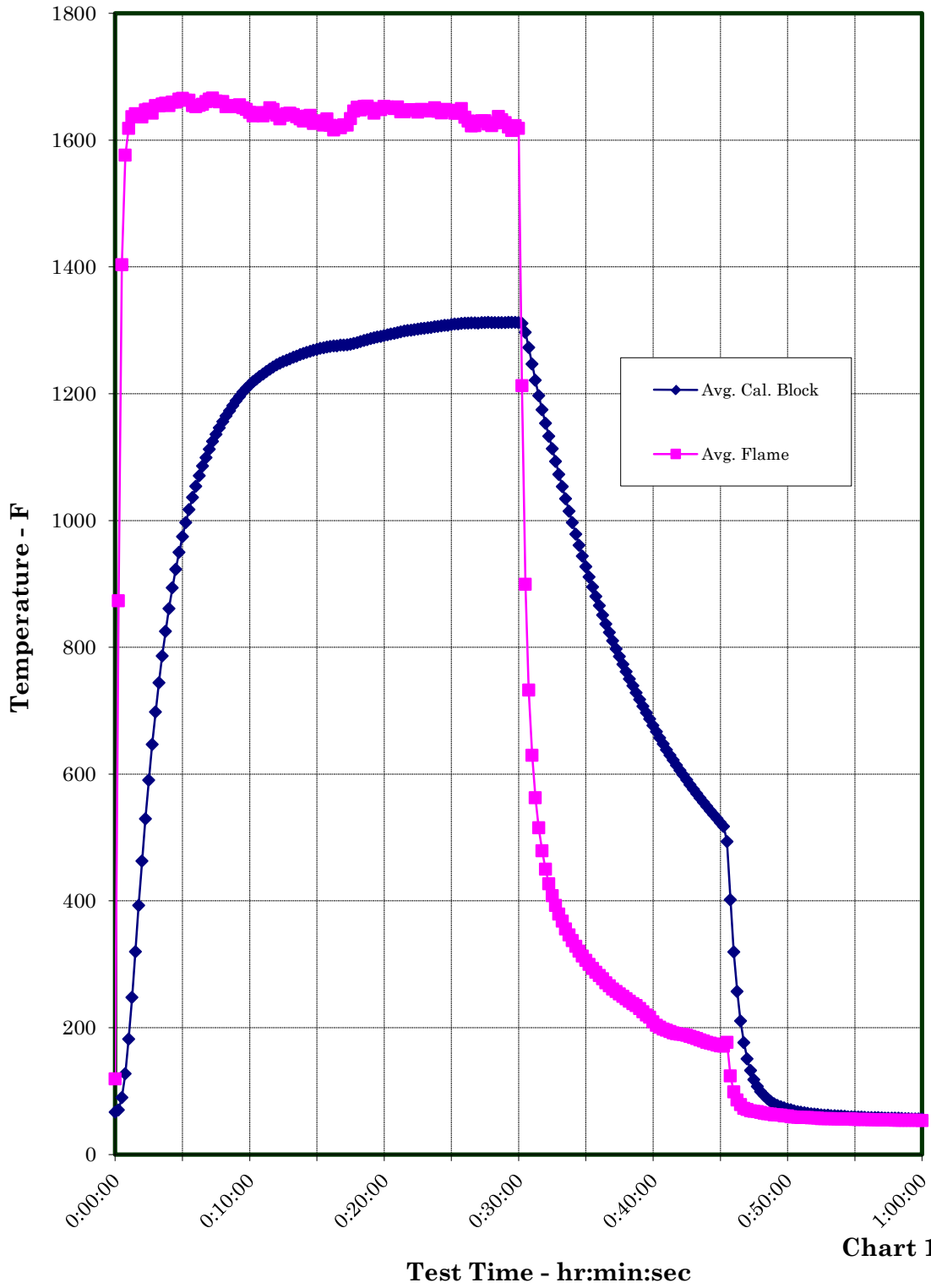
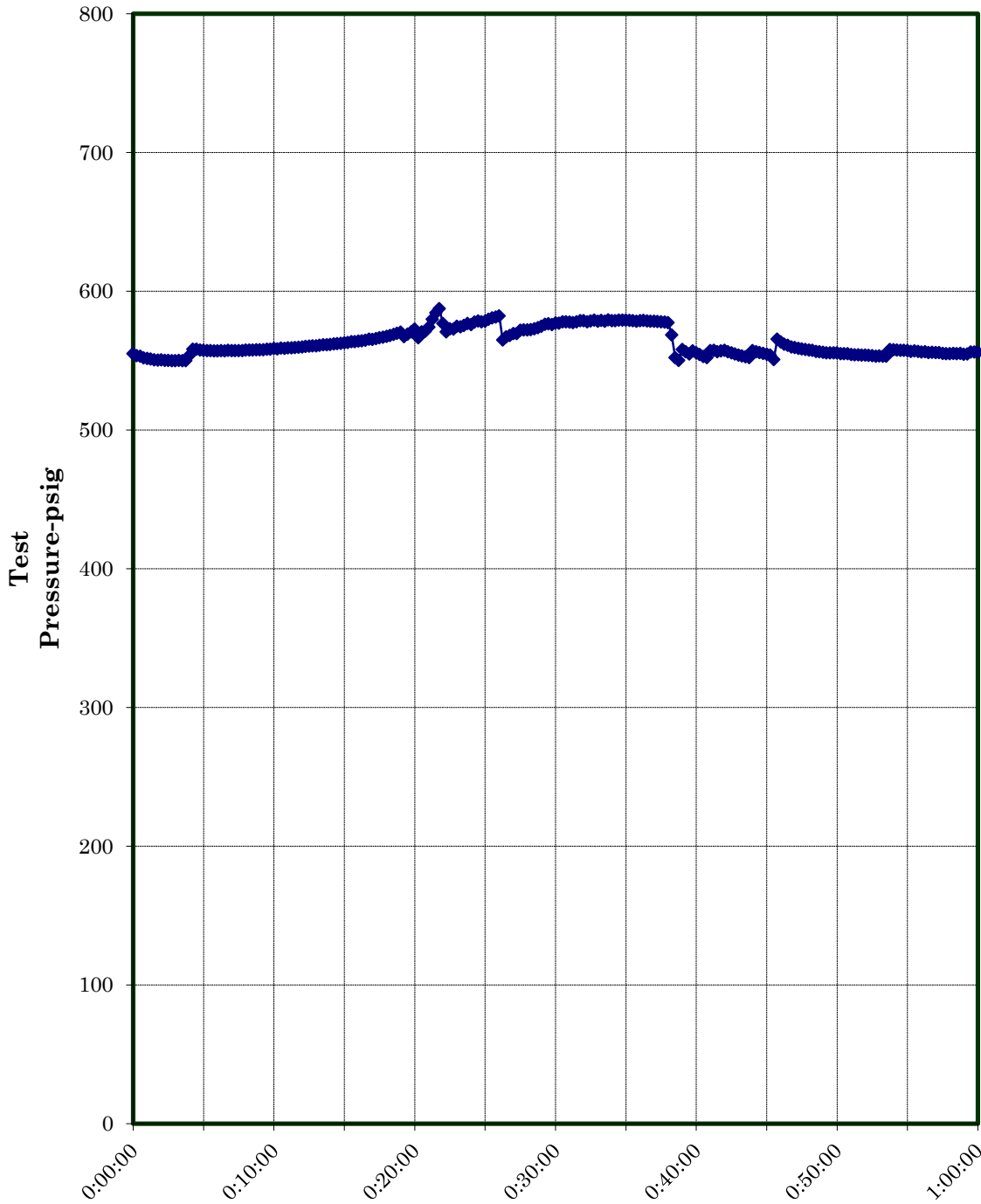


Chart 1

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Pressure verses Time Chart



Test Time - hr:min:sec

Chart 2

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Test Gasket Prior to Burn

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Test Setup Prior to Burn



Test Gasket During Burn

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Test Gasket During Burn



Test Gasket Post-Burn

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Fire Test Information

Customer: Garlock Pipeline Technologies

Date: 3/23/2015

Product Code: 6 inch Class 300 VCFS Gasket

Project Number: 215082

Fire Test Raw Data

Time	Pressure (psig)	Water Volume (mls)	Cal. 1	Cal. 2	Cal. 3	Cal. 4	Average Block	Flame 1	Flame 2	Flame 3	Flame 4	Average Flame
			Block	Block	Block	Block		Temp - F	Temp - F	Temp - F	Temp - F	
			Temp - F	Temp - F	Temp - F	Temp - F	Temp - F	Temp - F	Temp - F	Temp - F	Temp - F	Temp - F
13:55:00	555	32003	69	68	67	62	67	127	139	98	112	119
13:55:15	554	32029	72	73	69	66	70	993	937	780	783	873
13:55:30	553	32012	92	93	87	87	90	1475	1431	1346	1362	1404
13:55:45	552	32005	128	126	126	129	127	1615	1561	1534	1595	1576
13:56:00	552	32044	180	175	187	186	182	1619	1595	1575	1685	1619
13:56:15	551	32074	241	227	268	254	248	1631	1622	1586	1708	1637
13:56:30	551	32061	305	291	357	325	320	1639	1637	1593	1698	1642
13:56:45	550	32026	368	362	445	396	393	1627	1630	1594	1696	1637
13:57:00	551	32005	428	432	529	462	463	1625	1648	1597	1676	1637
13:57:15	550	32089	484	505	604	524	529	1636	1644	1606	1705	1648
13:57:30	550	32070	535	574	672	581	591	1618	1646	1616	1715	1649
13:57:45	550	32041	582	638	733	634	647	1580	1652	1620	1718	1643
13:58:00	550	32104	622	698	788	683	698	1625	1653	1624	1716	1655
13:58:15	550	32078	660	753	836	727	744	1624	1645	1624	1723	1654
13:58:30	550	32123	696	803	879	767	786	1614	1663	1629	1721	1657
13:58:45	550	32104	730	847	920	804	825	1626	1679	1621	1707	1658
13:59:00	554	32112	762	887	957	838	861	1605	1669	1625	1719	1655
13:59:15	558	32112	792	922	991	870	894	1634	1649	1619	1738	1660
13:59:30	558	32138	820	953	1020	899	923	1621	1655	1629	1735	1660
13:59:45	558	32140	846	981	1046	926	950	1630	1671	1627	1731	1665
14:00:00	557	32163	870	1007	1069	951	974	1631	1670	1624	1739	1666
14:00:15	557	32132	893	1032	1088	974	997	1611	1679	1628	1734	1663
14:00:30	557	32173	913	1053	1108	995	1017	1608	1683	1633	1728	1663
14:00:45	557	32179	931	1074	1126	1015	1037	1571	1683	1626	1737	1654
14:01:00	557	32195	946	1092	1145	1033	1054	1557	1682	1629	1743	1653
14:01:15	557	32186	960	1109	1163	1050	1071	1566	1676	1630	1747	1655
14:01:30	557	32229	974	1125	1178	1066	1086	1577	1676	1633	1740	1657

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14:01:45	557	32225	986	1139	1192	1080	1099	1600	1677	1628	1738	1661
14:02:00	557	32246	999	1152	1204	1094	1112	1608	1670	1632	1748	1665
14:02:15	557	32229	1012	1164	1216	1106	1125	1616	1669	1634	1746	1666
14:02:30	557	32290	1024	1175	1226	1118	1136	1597	1666	1638	1745	1662
14:02:45	557	32326	1035	1185	1235	1129	1146	1604	1666	1631	1741	1661
14:03:00	558	32216	1045	1194	1245	1140	1156	1588	1665	1635	1755	1661
14:03:15	558	32314	1053	1204	1253	1150	1165	1566	1670	1629	1746	1653
14:03:30	558	32324	1059	1213	1261	1159	1173	1572	1677	1626	1742	1654
14:03:45	558	32217	1065	1222	1269	1168	1181	1588	1676	1617	1735	1654
14:04:00	558	32187	1072	1230	1277	1176	1189	1579	1679	1614	1738	1653
14:04:15	558	32627	1079	1237	1283	1184	1196	1594	1672	1616	1741	1656
14:04:30	558	32359	1085	1244	1289	1191	1202	1581	1667	1609	1747	1651
14:04:45	558	32405	1091	1250	1294	1198	1208	1568	1666	1611	1748	1648
14:05:00	559	32373	1096	1255	1299	1204	1214	1554	1664	1616	1741	1644
14:05:15	558	32626	1101	1261	1303	1211	1219	1527	1667	1613	1746	1638
14:05:30	559	32374	1103	1265	1308	1216	1223	1539	1667	1612	1740	1640
14:05:45	559	32619	1106	1269	1311	1222	1227	1548	1663	1609	1753	1643
14:06:00	559	32612	1108	1274	1315	1227	1231	1529	1670	1606	1748	1638
14:06:15	559	32647	1111	1278	1319	1232	1235	1552	1660	1614	1746	1643
14:06:30	559	32570	1114	1282	1322	1236	1239	1576	1657	1624	1747	1651
14:06:45	560	32549	1118	1285	1325	1240	1242	1569	1658	1618	1749	1649
14:07:00	560	32566	1121	1289	1327	1245	1246	1532	1661	1617	1748	1640
14:07:15	560	32649	1123	1292	1329	1249	1248	1498	1666	1618	1751	1633
14:07:30	560	32659	1122	1296	1331	1253	1251	1516	1675	1619	1746	1639
14:07:45	561	32702	1120	1302	1333	1256	1253	1518	1680	1618	1750	1642
14:08:00	561	32725	1118	1307	1334	1260	1255	1525	1684	1617	1743	1642
14:08:15	561	32765	1118	1312	1335	1264	1257	1518	1673	1624	1747	1641
14:08:30	561	32730	1118	1314	1337	1267	1259	1519	1673	1618	1738	1637
14:08:45	561	32786	1119	1316	1340	1271	1262	1521	1667	1616	1730	1634
14:09:00	562	32793	1120	1318	1342	1274	1264	1496	1660	1625	1740	1630
14:09:15	562	32837	1120	1320	1344	1277	1265	1512	1658	1633	1748	1638
14:09:30	562	32848	1120	1323	1346	1279	1267	1515	1667	1629	1745	1639
14:09:45	563	32905	1119	1325	1348	1282	1269	1494	1665	1619	1726	1626
14:10:00	563	32877	1117	1327	1350	1285	1270	1496	1672	1620	1733	1630
14:10:15	563	32984	1117	1330	1351	1288	1272	1490	1660	1631	1739	1630
14:10:30	564	32991	1115	1332	1353	1290	1273	1475	1655	1624	1741	1624
14:10:45	564	32979	1113	1335	1353	1293	1274	1497	1654	1634	1749	1634
14:11:00	564	33039	1111	1338	1354	1295	1275	1475	1673	1614	1731	1623

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14:11:15	564	33069	1109	1340	1355	1298	1276	1458	1656	1614	1735	1616
14:11:30	565	33113	1106	1341	1355	1300	1276	1475	1659	1619	1736	1622
14:11:45	565	33147	1104	1343	1356	1303	1277	1465	1662	1622	1728	1619
14:12:00	565	33136	1102	1344	1356	1305	1277	1479	1656	1622	1739	1624
14:12:15	566	33264	1100	1345	1356	1308	1277	1459	1662	1627	1746	1624
14:12:30	566	33243	1099	1346	1356	1310	1278	1493	1673	1628	1741	1634
14:12:45	567	33341	1100	1348	1357	1312	1279	1527	1669	1638	1750	1646
14:13:00	567	33357	1102	1349	1357	1314	1281	1544	1671	1638	1755	1652
14:13:15	568	33398	1104	1352	1358	1315	1282	1543	1677	1618	1752	1648
14:13:30	569	33453	1106	1354	1358	1317	1284	1550	1674	1636	1752	1653
14:13:45	570	33524	1109	1355	1358	1318	1285	1557	1667	1639	1751	1654
14:14:00	570	33611	1111	1357	1359	1320	1287	1532	1675	1641	1751	1650
14:14:15	567	33705	1113	1358	1359	1322	1288	1534	1672	1624	1739	1642
14:14:30	569	33814	1114	1360	1360	1323	1289	1552	1669	1631	1746	1650
14:14:45	571	33903	1116	1361	1360	1325	1291	1545	1663	1639	1745	1648
14:15:00	573	34076	1118	1362	1360	1327	1292	1562	1671	1639	1741	1653
14:15:15	566	34329	1120	1363	1361	1328	1293	1546	1672	1638	1753	1652
14:15:30	571	34560	1122	1363	1361	1330	1294	1543	1669	1648	1745	1651
14:15:45	571	34972	1123	1364	1362	1331	1295	1549	1669	1645	1735	1650
14:16:00	574	35456	1124	1365	1363	1333	1296	1560	1664	1643	1742	1652
14:16:15	580	35716	1126	1367	1364	1334	1298	1524	1669	1642	1744	1645
14:16:30	584	35943	1127	1368	1365	1335	1299	1527	1675	1632	1744	1645
14:16:45	588	35988	1127	1368	1366	1337	1300	1532	1673	1641	1744	1648
14:17:00	577	36748	1127	1369	1366	1338	1300	1555	1670	1634	1733	1648
14:17:15	571	36005	1128	1370	1367	1339	1301	1559	1663	1635	1735	1648
14:17:30	573	37631	1129	1371	1367	1341	1302	1546	1671	1621	1738	1644
14:17:45	573	35979	1130	1371	1367	1342	1303	1554	1679	1630	1731	1649
14:18:00	575	37287	1130	1372	1368	1343	1303	1540	1673	1638	1741	1648
14:18:15	574	37090	1130	1374	1368	1344	1304	1538	1669	1647	1733	1647
14:18:30	575	36219	1130	1375	1367	1346	1305	1520	1681	1652	1731	1646
14:18:45	577	37986	1129	1377	1368	1348	1306	1539	1679	1660	1726	1651
14:19:00	576	36399	1129	1378	1368	1349	1306	1537	1666	1647	1731	1645
14:19:15	578	36883	1129	1380	1369	1350	1307	1537	1669	1634	1731	1643
14:19:30	579	38157	1129	1382	1369	1351	1308	1559	1669	1640	1725	1648
14:19:45	578	37293	1129	1383	1368	1352	1308	1534	1676	1640	1739	1647
14:20:00	578	36167	1130	1384	1369	1354	1309	1535	1673	1649	1730	1647
14:20:15	580	36622	1130	1383	1370	1356	1310	1516	1676	1648	1730	1643
14:20:30	581	37557	1130	1383	1370	1356	1310	1503	1674	1647	1745	1642

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14:20:45	581	38126	1129	1385	1371	1358	1311	1529	1674	1652	1744	1650
14:21:00	582	38389	1128	1386	1371	1359	1311	1498	1670	1641	1735	1636
14:21:15	565	37500	1127	1386	1372	1360	1311	1482	1668	1629	1741	1630
14:21:30	567	38451	1126	1386	1373	1361	1312	1453	1672	1620	1744	1622
14:21:45	568	36775	1124	1386	1374	1362	1312	1474	1673	1594	1750	1623
14:22:00	570	38523	1122	1386	1374	1363	1311	1514	1673	1591	1740	1630
14:22:15	570	36579	1123	1385	1376	1364	1312	1507	1668	1608	1739	1631
14:22:30	572	38303	1123	1385	1376	1365	1312	1505	1671	1614	1732	1631
14:22:45	572	38704	1123	1385	1376	1366	1313	1483	1665	1618	1735	1625
14:23:00	572	38024	1121	1386	1375	1367	1312	1476	1660	1616	1739	1623
14:23:15	572	37388	1119	1386	1376	1368	1312	1493	1673	1603	1739	1627
14:23:30	573	37162	1117	1387	1375	1369	1312	1510	1684	1612	1743	1637
14:23:45	574	37571	1115	1387	1376	1370	1312	1510	1666	1619	1734	1632
14:24:00	575	38413	1115	1388	1375	1371	1312	1505	1657	1616	1732	1628
14:24:15	576	38949	1114	1389	1375	1372	1313	1476	1656	1614	1737	1621
14:24:30	577	38078	1112	1390	1375	1373	1313	1451	1669	1606	1734	1615
14:24:45	576	37044	1109	1391	1376	1374	1313	1482	1661	1609	1739	1623
14:25:00	577	38880	1107	1391	1376	1375	1312	1477	1660	1600	1737	1619
14:25:15	577	37260	1105	1389	1374	1375	1311	1168	1222	1202	1259	1213
14:25:30	578	37981	1093	1374	1350	1370	1297	935	876	883	903	899
14:25:45	578	37984	1075	1348	1316	1352	1273	810	690	710	720	733
14:26:00	578	37574	1055	1319	1283	1330	1247	731	576	602	609	630
14:26:15	577	37420	1035	1291	1252	1306	1221	675	501	534	541	563
14:26:30	578	38204	1015	1264	1225	1283	1197	632	451	486	491	515
14:26:45	579	38847	996	1239	1202	1261	1175	600	414	450	451	479
14:27:00	579	38283	978	1215	1179	1241	1153	571	385	420	424	450
14:27:15	578	37548	960	1194	1158	1220	1133	548	362	395	402	427
14:27:30	579	38619	942	1172	1139	1200	1113	528	344	376	384	408
14:27:45	579	38494	926	1149	1119	1178	1093	512	329	360	370	393
14:28:00	578	37750	910	1125	1099	1157	1073	497	315	343	361	379
14:28:15	579	38825	894	1103	1080	1136	1053	486	305	330	351	368
14:28:30	578	37673	879	1080	1061	1116	1034	472	294	318	339	356
14:28:45	579	38739	864	1058	1042	1095	1015	461	286	308	329	346
14:29:00	579	38189	850	1037	1023	1076	997	451	278	299	320	337
14:29:15	579	37919	837	1016	1005	1056	979	441	271	291	310	328
14:29:30	579	38592	823	996	987	1037	961	433	265	282	303	321
14:29:45	579	38759	810	977	969	1019	944	423	258	275	295	313
14:30:00	579	38642	798	958	951	1001	927	416	252	267	289	306

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14:30:15	579	38656	786	940	934	984	911	409	247	259	284	300
14:30:30	579	38420	774	922	918	967	895	400	242	254	277	293
14:30:45	578	38096	763	905	902	950	880	392	236	248	273	287
14:31:00	579	38264	751	889	887	935	866	386	230	242	271	282
14:31:15	579	38259	740	873	871	918	851	381	226	237	264	277
14:31:30	579	38306	730	857	856	904	837	373	221	232	257	271
14:31:45	578	38299	720	842	842	890	824	369	217	227	251	266
14:32:00	578	38292	710	828	828	874	810	366	213	221	244	261
14:32:15	578	38305	700	814	815	861	798	361	209	217	240	257
14:32:30	578	38310	691	800	803	847	785	359	205	212	236	253
14:32:45	578	38271	681	787	790	834	773	354	202	209	232	249
14:33:00	577	38269	673	774	778	821	762	349	199	205	229	246
14:33:15	569	37624	664	761	766	809	750	343	197	202	225	242
14:33:30	552	36587	655	750	754	798	739	338	194	198	221	238
14:33:45	550	35081	647	738	742	785	728	335	190	195	219	235
14:34:00	558	34975	639	726	731	774	718	327	187	191	215	230
14:34:15	556	34885	630	715	719	763	707	319	182	186	213	225
14:34:30	555	34736	622	704	709	751	697	313	177	182	208	220
14:34:45	557	34619	615	693	698	741	687	310	171	178	206	216
14:35:00	556	34500	607	682	687	730	677	300	166	172	198	209
14:35:15	554	34401	599	671	677	719	667	295	160	167	193	204
14:35:30	553	34303	592	661	667	708	657	295	155	163	190	201
14:35:45	552	34228	584	651	657	698	648	289	152	159	190	198
14:36:00	557	33715	577	641	647	688	638	289	150	156	188	196
14:36:15	557	34042	570	632	638	679	630	286	149	155	186	194
14:36:30	556	33964	564	623	630	670	622	284	148	154	181	192
14:36:45	557	33665	557	615	622	661	614	284	147	152	179	191
14:37:00	557	33828	551	606	614	652	606	282	148	152	176	190
14:37:15	556	33763	545	598	606	644	598	280	149	152	175	189
14:37:30	556	33703	539	590	598	636	591	280	149	152	171	188
14:37:45	555	33659	533	582	591	627	583	279	147	150	168	186
14:38:00	554	33592	527	574	583	619	576	277	146	149	165	184
14:38:15	553	33554	521	567	576	612	569	275	145	147	163	183
14:38:30	553	33534	516	560	569	603	562	269	145	147	161	181
14:38:45	552	33435	510	553	562	596	555	266	145	146	158	179
14:39:00	557	33390	505	546	555	589	549	261	144	145	157	177
14:39:15	556	33350	500	539	549	581	542	259	143	143	156	175
14:39:30	556	33352	495	532	542	575	536	258	142	142	154	174

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14:39:45	555	33296	490	526	535	568	530	255	141	141	153	173
14:40:00	555	33276	484	519	529	561	523	253	140	140	151	171
14:40:15	554	33192	480	513	522	555	518	248	141	140	154	171
14:40:30	551	33009	452	490	505	526	493	165	179	197	166	177
14:40:45	565	32765	346	389	444	428	402	98	124	154	119	124
14:41:00	563	32682	258	301	379	339	319	74	99	125	97	99
14:41:15	562	32616	196	238	323	271	257	66	86	107	85	86
14:41:30	561	32612	152	193	276	220	210	61	77	97	79	79
14:41:45	560	32491	123	160	238	184	176	59	72	83	77	73
14:42:00	559	32526	103	136	206	158	151	58	69	81	76	71
14:42:15	559	32527	90	118	181	140	132	57	67	76	75	69
14:42:30	558	32465	80	105	159	127	118	57	66	75	74	68
14:42:45	558	32553	73	96	142	118	107	57	65	75	72	67
14:43:00	558	32452	69	88	129	111	99	56	64	72	72	66
14:43:15	557	32306	65	83	118	106	93	56	63	70	70	65
14:43:30	557	32430	63	78	109	101	88	56	62	69	69	64
14:43:45	556	32415	61	74	102	98	84	56	62	68	69	64
14:44:00	556	32324	60	71	95	94	80	55	61	66	67	62
14:44:15	556	32567	59	69	90	91	77	55	61	66	68	63
14:44:30	556	32373	58	67	86	89	75	55	60	65	67	62
14:44:45	556	32373	57	66	83	87	73	54	59	64	66	61
14:45:00	556	32181	57	64	80	85	72	54	59	64	65	61
14:45:15	555	32327	57	63	77	84	70	54	58	62	64	60
14:45:30	555	32157	56	62	75	82	69	53	58	62	63	59
14:45:45	555	32100	56	61	73	80	68	53	57	61	63	59
14:46:00	554	32086	55	60	72	79	67	53	57	61	62	58
14:46:15	554	32425	55	60	70	78	66	53	57	61	62	58
14:46:30	554	32258	55	59	69	77	65	53	57	60	62	58
14:46:45	554	32406	54	59	68	76	64	53	56	60	61	58
14:47:00	554	32154	54	58	67	75	64	53	56	60	61	58
14:47:15	554	32396	55	58	66	74	63	53	56	60	60	57
14:47:30	554	32089	54	58	65	73	63	52	56	59	59	57
14:47:45	553	32378	54	57	64	73	62	52	56	59	59	57
14:48:00	553	31992	54	57	64	72	62	52	56	59	59	57
14:48:15	553	32094	54	57	63	71	61	52	56	58	59	56
14:48:30	553	32027	54	57	63	71	61	52	56	58	58	56
14:48:45	558	32220	54	56	62	70	61	52	55	58	59	56
14:49:00	558	32078	54	57	62	69	61	52	56	58	58	56

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14:49:15	558	31976	54	56	62	69	60	52	55	58	58	56
14:49:30	557	32296	53	56	61	68	60	52	55	58	58	56
14:49:45	557	31988	54	56	61	67	60	52	55	58	58	56
14:50:00	557	31996	53	56	61	68	60	52	55	57	57	55
14:50:15	557	32251	53	55	61	66	59	52	55	57	57	55
14:50:30	557	31937	54	55	60	66	59	52	55	57	56	55
14:50:45	557	32010	53	55	60	66	59	52	55	57	56	55
14:51:00	556	32186	53	55	60	65	58	52	55	57	56	55
14:51:15	556	31902	53	55	60	65	58	52	55	57	55	55
14:51:30	556	32260	53	55	60	64	58	52	55	57	55	55
14:51:45	556	31902	53	55	60	64	58	52	55	56	56	55
14:52:00	556	31929	53	55	59	63	58	52	54	56	55	54
14:52:15	556	31900	53	55	59	62	57	52	54	56	55	54
14:52:30	555	32223	53	55	59	62	57	52	54	56	55	54
14:52:45	555	32277	53	55	59	62	57	52	54	56	55	54
14:53:00	555	32236	53	55	59	61	57	52	54	56	54	54
14:53:15	555	31886	53	55	59	61	57	52	54	56	54	54
14:53:30	555	31882	53	55	59	60	57	52	54	56	53	54
14:53:45	555	31948	53	54	58	60	56	52	54	56	54	54
14:54:00	555	32166	53	55	58	60	57	52	54	56	53	54
14:54:15	555	31875	53	54	58	59	56	52	54	56	53	54
14:54:30	556	31858	53	54	58	59	56	52	54	56	53	54
14:54:45	556	31851	53	54	58	59	56	52	54	56	53	54
14:55:00	556	32058	53	54	58	58	56	52	54	55	52	53

Yarmouth Research and Technology, LLC

Leakage Summary for Burn and Cool Down Periods

All pressure transducers and thermocouples are in calibration per YRT's QA program.

External leakage was collected electronically.

Test Duration:	60	minutes
Tank Water Loss:	-55	mls
System Relief Water Collected:	0	mls
Calculated Water Loss:	0	mls
Average Leak Rate:	0	ml/min
Average Seal Circumference	21.4	inches
Allowable Leak Rate:	21.4	ml/min

Was the Leakage Below the Allowable?	Yes
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Summary of Test Parameters During Burn and Cool Down Periods

Amount of Time of Average Cal. Block > 1200 deg.:	20.5	minutes
Minimum Allowable Time at Temperature:	15	minutes
Average Cal. Block Temperature During Burn:	1128	deg. F
Maximum Average Cal. Block Temperature During Burn:	1313	deg. F
Minimum Average Cal. Block Temperature During Burn:	67	deg. F
Average Flame Temperature During Burn:	1621	deg. F
Maximum Average Flame Temperature During Burn:	1666	deg. F
Minimum Average Flame Temperature During Burn:	119	deg. F

Notes

Were Test Conditions Within Compliance?	Yes
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Yarmouth Research and Technology, LLC

Depressurization - Repressurization Test Information

Customer: Garlock Pipeline Technologies

Date: 3/23/2015

Product Code: 6 inch Class 300 VCFS Gasket

Project Number: 215082

System pressure was lowered to 0 and then repressurized.

Operational Test Raw Data

Time	Pressure (psig)	Average Block Temp-F
15:07:29	554	63
15:07:44	554	63
15:07:59	554	63
15:08:14	554	63
15:08:29	554	63
15:08:44	554	63
15:08:59	554	64
15:09:14	554	64
15:09:29	554	64
15:09:44	553	64
15:09:59	554	64
15:10:14	553	64
15:10:29	553	64
15:10:44	553	64
15:10:59	553	65
15:11:14	553	65
15:11:29	553	65
15:11:44	553	65
15:11:59	553	65
15:12:14	553	65
15:12:29	553	65

Leakage was collected manually.

Total External Leakage Collected Over 5 Minute Duration:	2	mls
Average Leak Rate Over 5 Minute Duration:	0.3	ml/min
Allowable Leak Rate:	21.4	ml/min

Was the Leakage Below the Allowable?	Yes
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