

# **Fire Test Report**

**API Standard 6FB, Fourth Edition, 2019**

*Performed for*

**GPT Industries**

[www.gptindustries.com](http://www.gptindustries.com)



**6inch Class 300 Evolution® Isolation Gasket  
with GYLON® ID-Seal and Fire-safe  
Dielectric Coated Inconel 718 C-Ring with  
DH SS Washers and G11 Sleeves**

Project Number: 219510

Test Date: December 11, 2019



*Performed by*

**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

434 Walnut Hill Road  
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# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

<b>Customer:</b> GPT	<b>Date:</b> 12/11/2019
<b>Project Number:</b> 219510	
<b>Product Code:</b> 6 inch Class 300 Evolution Gasket w/ DHX Kit	
<b>Specification:</b> API 6FB, Fourth Edition, 2019	
Non-Bending, Type 1 Test	
<b>Gasket Thickness:</b>	0.180 inches
<b>Seal Area OD:</b>	7.125
<b>Seal Area ID:</b>	6.125 inches
<b>Mean Seal Diameter:</b>	6.625 inches
<b>Mean Circumference:</b>	20.8 inches
<b>Allowable Leakage:</b>	20.8 ml/min
<b>Nominal Test Pressure:</b>	555 psig
<b>YRT Technician:</b> Dean Frank	
<b>Version of YRT's FIRE-Control 6FB Software:</b> B	
<b>Equipment Confirmed to be in Calibration to NIST Standards:</b> Yes	

### *After Assembly - Electrical Isolation Test*

Bolt to Flange:	9.81	GOhms	with 1000 volts
Flange to Flange:	8.1	GOhms	with 50 volts
	6.2	GOhms	with 500 volts
	4.1	GOhms	with 1000 volts

### *Burn and Cool Down Test*

Burn Start Time:	13:49:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	574	psig
Leak Rate During Burn/Cool Down:	0	ml/min
Allowable External Leak Rate:	20.8	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	19.0	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

### *Depressurization - Repressurization Test*

Average Pressure During Test:	553	psig
Gasket Leak Rate:	0.4	ml/min
Allowable External Leak Rate:	20.8	ml/min
Was the Leakage Below the Allowable?	Yes	
<b>Does the Gasket Pass or Fail API 6FB?</b>	<b>PASS</b>	

**Certified By:**



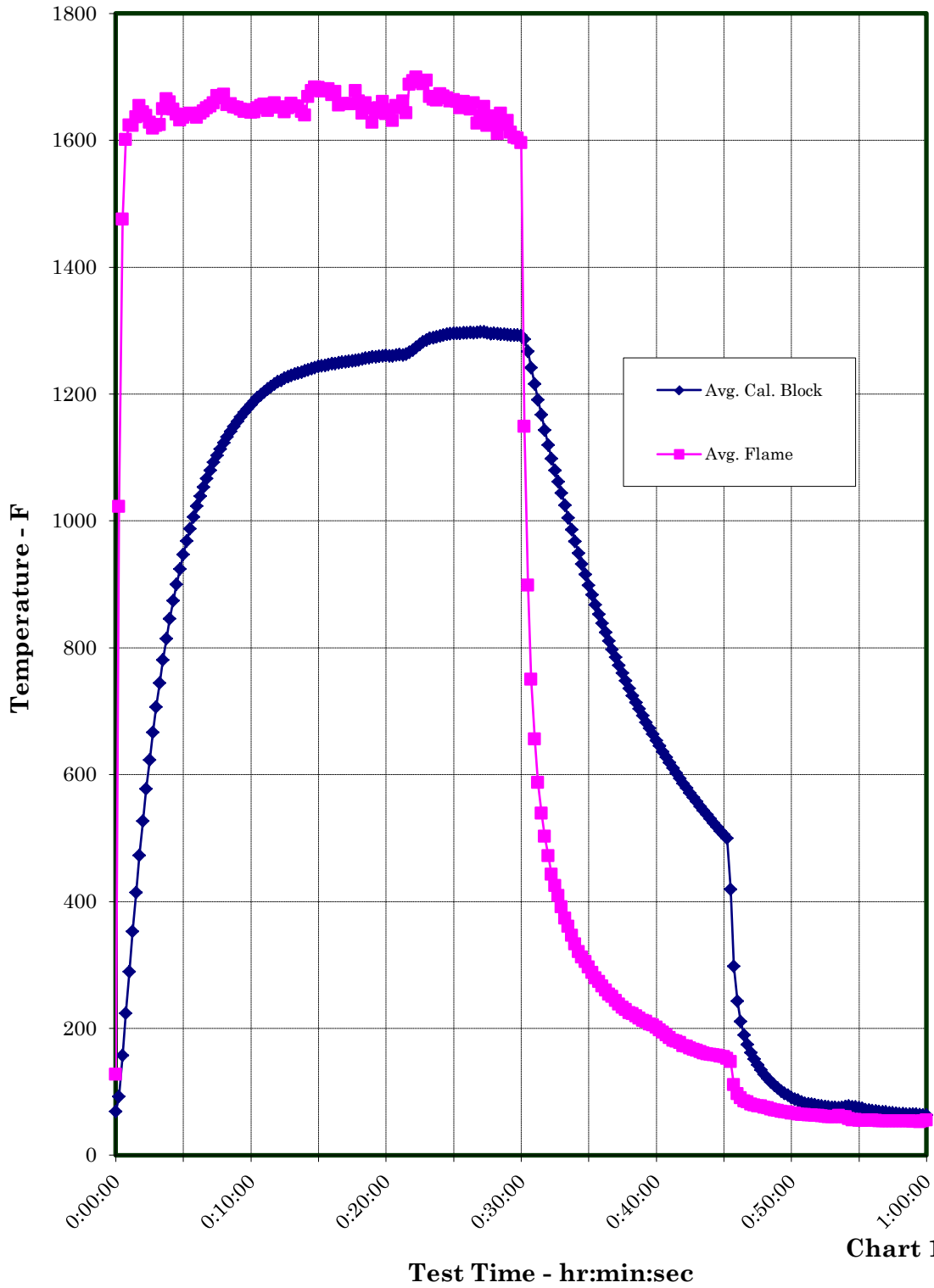
Matthew J. Wasielewski, PE

President and Manager

Yarmouth Research and Technology, LLC



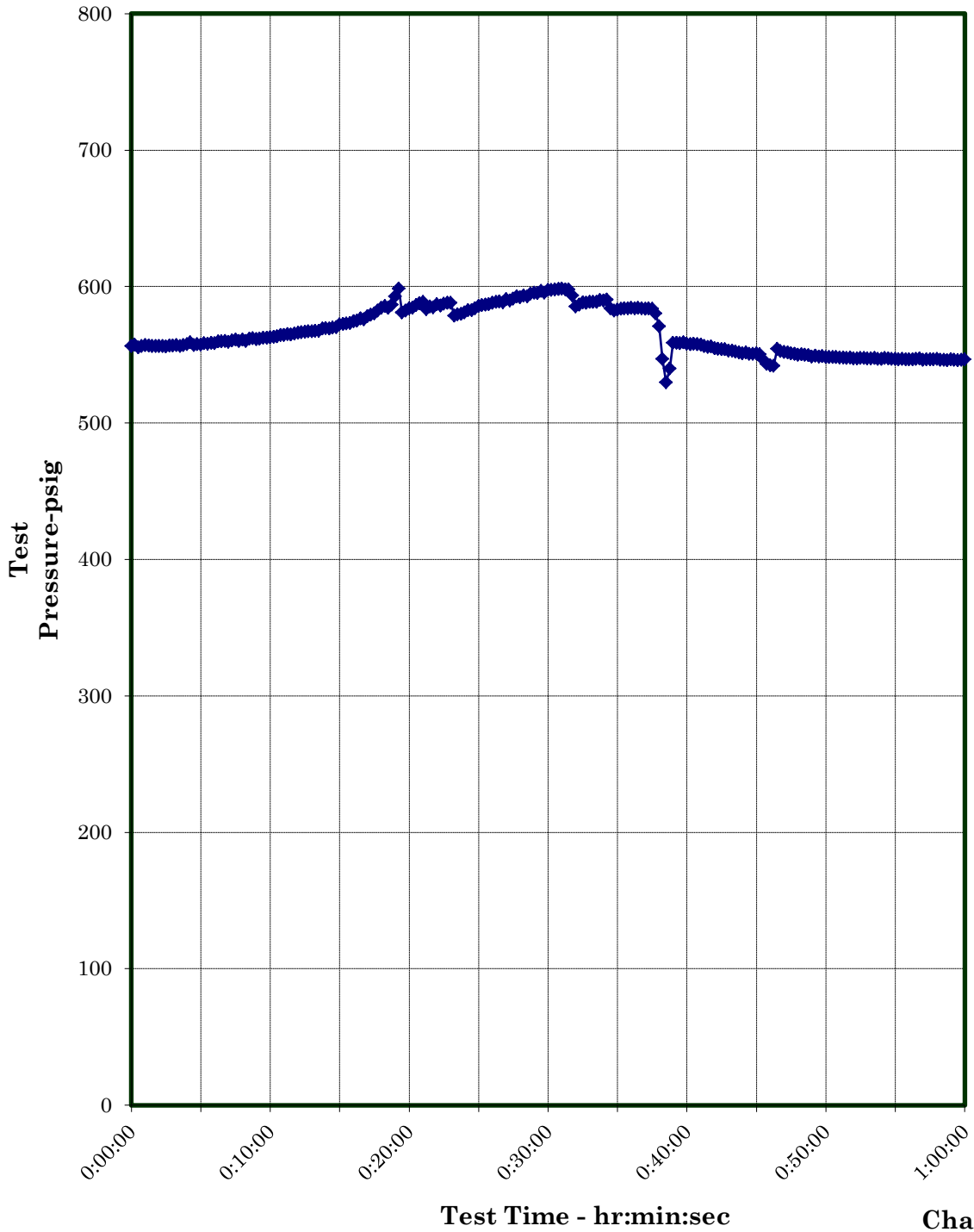
**Temperature verses Time Chart**



**Chart 1**

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**Pressure versus Time Chart**



**Chart 2**



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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

## Yarmouth Research and Technology, LLC

### Fire Test Information

**Customer:** GPT

**Date:** 12/11/2019

**Product Code:** 6 inch Class 300 Evolution Gasket w/ DHX Kit

**Project Number:** 219510

### Fire Test Raw Data

Time	Pressure (psig)	Water Volume (mls)	Cal. 1 Block Temp - F	Cal. 2 Block Temp - F	Cal. 3 Block Temp - F	Cal. 4 Block Temp - F	Average Block Temp - F	Flame 1 Temp - F	Flame 2 Temp - F	Flame 3 Temp - F	Flame 4 Temp - F	Average Flame Temp - F
13:49:00	556	35626	68	66	70	70	69	109	133	160	108	128
13:49:15	557	35803	97	91	97	84	92	930	939	1107	1114	1023
13:49:30	555	35703	167	162	165	136	158	1404	1486	1506	1506	1476
13:49:45	556	35755	232	234	235	192	223	1551	1636	1593	1625	1601
13:50:00	557	35694	295	306	309	246	289	1618	1672	1612	1594	1624
13:50:15	557	35727	354	376	379	302	353	1614	1679	1623	1576	1623
13:50:30	556	35663	410	444	446	356	414	1636	1666	1638	1605	1636
13:50:45	556	35688	466	509	507	408	473	1609	1713	1654	1641	1654
13:51:00	556	35692	516	568	567	455	527	1629	1706	1656	1587	1645
13:51:15	556	35628	563	624	621	500	577	1645	1677	1638	1594	1639
13:51:30	556	35683	606	675	669	541	623	1607	1692	1650	1562	1628
13:51:45	557	35623	648	723	716	579	667	1616	1674	1638	1548	1619
13:52:00	557	35641	687	768	759	613	707	1639	1638	1634	1580	1623
13:52:15	557	35700	721	810	801	646	745	1632	1641	1639	1587	1625
13:52:30	556	35744	757	847	840	678	781	1593	1681	1679	1645	1650
13:52:45	557	35760	790	883	876	709	815	1594	1728	1686	1652	1665
13:53:00	558	35789	820	918	909	736	846	1603	1744	1674	1620	1660
13:53:15	559	35790	846	946	941	763	874	1620	1733	1648	1594	1649
13:53:30	557	35842	867	975	970	786	900	1629	1677	1665	1591	1641
13:53:45	558	35848	889	1000	995	811	924	1639	1656	1648	1584	1632
13:54:00	557	35839	909	1024	1020	833	947	1639	1657	1661	1587	1636
13:54:15	558	35824	927	1047	1044	855	968	1630	1650	1666	1614	1640
13:54:30	558	35910	945	1067	1063	874	987	1647	1652	1668	1602	1642
13:54:45	559	35806	961	1087	1083	892	1006	1639	1656	1666	1602	1641
13:55:00	558	35906	975	1105	1103	910	1023	1630	1665	1668	1580	1636
13:55:15	560	35954	990	1121	1119	925	1039	1643	1663	1677	1585	1642
13:55:30	560	35918	1000	1137	1135	939	1053	1638	1686	1670	1589	1646



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13:55:45	560	35968	1013	1152	1150	952	1067	1616	1704	1681	1603	1651
13:56:00	559	35991	1026	1166	1164	963	1080	1587	1753	1688	1587	1654
13:56:15	560	35960	1038	1179	1179	973	1092	1623	1760	1677	1575	1659
13:56:30	561	36064	1045	1191	1189	986	1103	1625	1769	1697	1589	1670
13:56:45	560	36037	1053	1202	1200	997	1113	1661	1733	1679	1594	1667
13:57:00	561	35990	1060	1213	1211	1009	1123	1679	1710	1674	1627	1673
13:57:15	560	36051	1065	1224	1220	1020	1132	1679	1679	1672	1594	1656
13:57:30	562	36042	1069	1233	1229	1033	1141	1690	1670	1674	1594	1657
13:57:45	562	36114	1076	1242	1236	1042	1149	1657	1663	1668	1621	1652
13:58:00	561	36097	1081	1251	1243	1051	1157	1677	1657	1666	1605	1651
13:58:15	562	36098	1087	1260	1251	1058	1164	1674	1659	1668	1594	1649
13:58:30	562	36110	1092	1267	1258	1067	1171	1645	1666	1672	1598	1645
13:58:45	563	36158	1098	1274	1263	1072	1177	1647	1657	1675	1614	1648
13:59:00	563	36187	1103	1281	1270	1078	1183	1654	1659	1672	1589	1644
13:59:15	563	36236	1107	1288	1276	1083	1189	1645	1656	1681	1596	1645
13:59:30	563	36296	1112	1294	1281	1089	1194	1661	1657	1674	1612	1651
13:59:45	564	36248	1117	1299	1285	1094	1199	1663	1670	1670	1616	1655
14:00:00	564	36273	1119	1306	1288	1099	1203	1654	1666	1672	1634	1657
14:00:15	565	36324	1121	1312	1294	1105	1208	1665	1670	1670	1580	1646
14:00:30	565	36331	1123	1317	1297	1108	1211	1656	1666	1670	1630	1656
14:00:45	565	36395	1128	1321	1301	1112	1216	1677	1675	1675	1609	1659
14:01:00	566	36368	1130	1326	1305	1117	1220	1657	1684	1665	1600	1652
14:01:15	566	36475	1130	1330	1306	1121	1222	1668	1677	1666	1598	1652
14:01:30	567	36475	1132	1333	1310	1125	1225	1654	1679	1661	1584	1645
14:01:45	567	36466	1132	1337	1314	1126	1227	1663	1693	1650	1598	1651
14:02:00	567	36467	1130	1341	1315	1130	1229	1661	1679	1670	1621	1658
14:02:15	568	36555	1130	1342	1319	1134	1231	1656	1688	1670	1600	1654
14:02:30	568	36532	1130	1344	1321	1135	1233	1659	1686	1677	1591	1653
14:02:45	569	36578	1132	1346	1323	1137	1235	1645	1704	1666	1566	1645
14:03:00	569	36631	1132	1348	1324	1141	1236	1632	1724	1654	1548	1640
14:03:15	569	36690	1132	1350	1326	1143	1238	1641	1765	1679	1589	1669
14:03:30	570	36702	1134	1351	1328	1146	1240	1663	1794	1663	1591	1678
14:03:45	570	36762	1134	1353	1330	1150	1242	1681	1796	1650	1609	1684
14:04:00	572	36764	1134	1355	1332	1153	1244	1652	1807	1647	1625	1683
14:04:15	572	36817	1132	1357	1333	1155	1244	1657	1810	1641	1600	1677
14:04:30	573	36827	1130	1359	1335	1157	1245	1645	1794	1659	1625	1681
14:04:45	573	36854	1132	1360	1337	1157	1247	1648	1791	1657	1627	1681
14:05:00	574	36947	1132	1362	1339	1157	1248	1654	1778	1661	1593	1672

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14:05:15	575	36923	1132	1362	1341	1157	1248	1623	1783	1670	1629	1676
14:05:30	577	37143	1134	1364	1341	1157	1249	1614	1800	1656	1551	1655
14:05:45	576	37215	1132	1368	1342	1157	1250	1643	1812	1645	1530	1658
14:06:00	578	37228	1132	1369	1344	1159	1251	1647	1809	1638	1535	1657
14:06:15	579	37349	1130	1371	1344	1161	1252	1634	1805	1645	1546	1658
14:06:30	580	37351	1128	1373	1346	1161	1252	1632	1812	1643	1542	1657
14:06:45	582	37532	1126	1375	1348	1161	1253	1639	1812	1639	1621	1678
14:07:00	584	37703	1126	1377	1350	1162	1254	1620	1796	1654	1576	1662
14:07:15	586	37865	1130	1377	1351	1162	1255	1609	1791	1648	1522	1643
14:07:30	584	38030	1130	1378	1353	1164	1256	1630	1807	1652	1546	1659
14:07:45	587	38396	1128	1380	1355	1166	1257	1627	1796	1665	1513	1650
14:08:00	593	38566	1130	1382	1357	1166	1259	1566	1792	1654	1499	1628
14:08:15	598	39012	1128	1382	1357	1166	1258	1609	1803	1641	1522	1644
14:08:30	581	39919	1128	1384	1359	1166	1259	1616	1801	1636	1551	1651
14:08:45	582	40112	1128	1386	1360	1166	1260	1616	1803	1634	1589	1661
14:09:00	584	40401	1128	1386	1362	1166	1261	1564	1803	1641	1557	1641
14:09:15	584	40313	1128	1386	1364	1162	1260	1605	1805	1614	1569	1648
14:09:30	586	41024	1128	1387	1364	1162	1260	1566	1792	1618	1548	1631
14:09:45	588	41241	1130	1389	1366	1161	1262	1587	1816	1634	1582	1655
14:10:00	589	40044	1130	1389	1368	1161	1262	1612	1791	1659	1542	1651
14:10:15	583	39495	1128	1389	1368	1161	1262	1625	1796	1654	1571	1662
14:10:30	585	40826	1130	1391	1369	1162	1263	1632	1780	1636	1524	1643
14:10:45	585	40230	1132	1393	1371	1166	1266	1681	1810	1681	1580	1688
14:11:00	587	40861	1139	1396	1371	1171	1269	1663	1796	1686	1630	1694
14:11:15	586	40585	1146	1400	1373	1175	1274	1693	1807	1675	1621	1699
14:11:30	587	39460	1152	1404	1375	1180	1278	1704	1807	1656	1600	1692
14:11:45	588	39532	1157	1409	1375	1188	1282	1686	1807	1663	1598	1689
14:12:00	588	39506	1161	1411	1377	1191	1285	1690	1812	1657	1618	1694
14:12:15	579	39939	1164	1413	1378	1195	1288	1688	1810	1629	1548	1669
14:12:30	580	41642	1164	1414	1380	1197	1289	1630	1810	1650	1567	1664
14:12:45	580	40450	1166	1416	1380	1198	1290	1641	1814	1639	1557	1663
14:13:00	581	39893	1166	1418	1382	1198	1291	1639	1809	1652	1591	1673
14:13:15	583	41847	1168	1420	1384	1200	1293	1654	1805	1657	1562	1670
14:13:30	583	40727	1170	1420	1384	1202	1294	1661	1809	1629	1567	1667
14:13:45	584	40062	1170	1422	1386	1202	1295	1632	1780	1627	1607	1662
14:14:00	586	41785	1170	1423	1386	1204	1296	1639	1807	1632	1576	1664
14:14:15	586	42129	1168	1423	1387	1204	1296	1639	1814	1623	1566	1661
14:14:30	587	42020	1168	1425	1387	1202	1296	1616	1807	1632	1548	1651

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14:14:45	587	41972	1170	1425	1389	1202	1297	1598	1805	1647	1593	1661
14:15:00	588	42228	1171	1425	1389	1200	1296	1616	1810	1629	1566	1655
14:15:15	589	41393	1170	1427	1391	1200	1297	1627	1796	1629	1544	1649
14:15:30	589	40194	1168	1427	1391	1200	1297	1636	1807	1614	1578	1659
14:15:45	588	41544	1168	1427	1393	1200	1297	1611	1792	1611	1492	1627
14:16:00	591	42200	1168	1427	1395	1200	1298	1584	1803	1616	1549	1638
14:16:15	590	40301	1168	1429	1395	1198	1298	1616	1812	1623	1562	1653
14:16:30	591	42138	1166	1427	1396	1197	1297	1582	1801	1598	1512	1623
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14:17:00	592	41165	1162	1427	1398	1195	1296	1584	1789	1611	1522	1627
14:17:15	593	42365	1162	1427	1398	1193	1295	1567	1789	1598	1488	1611
14:17:30	593	40520	1162	1427	1398	1191	1295	1594	1809	1609	1557	1642
14:17:45	595	42651	1161	1427	1400	1189	1294	1573	1801	1609	1515	1625
14:18:00	595	41091	1159	1427	1400	1188	1294	1562	1805	1630	1526	1631
14:18:15	595	41989	1157	1427	1402	1184	1293	1546	1782	1607	1513	1612
14:18:30	597	41907	1159	1427	1402	1182	1293	1553	1755	1591	1519	1605
14:18:45	596	41552	1157	1429	1404	1180	1293	1566	1773	1594	1479	1603
14:19:00	597	42274	1155	1429	1404	1179	1292	1551	1774	1582	1477	1596
14:19:15	597	42558	1148	1423	1402	1173	1287	1139	1308	1047	1101	1149
14:19:30	598	42468	1126	1400	1386	1155	1267	885	1020	811	878	899
14:19:45	598	42633	1105	1369	1360	1132	1242	734	853	666	747	750
14:20:00	598	42134	1081	1342	1333	1107	1216	633	754	577	660	656
14:20:15	598	41443	1058	1315	1305	1085	1191	559	678	514	599	588
14:20:30	598	41202	1038	1290	1278	1062	1167	505	624	473	552	539
14:20:45	593	41370	1017	1263	1251	1042	1143	466	585	442	516	502
14:21:00	585	41098	997	1238	1224	1020	1120	433	552	417	486	472
14:21:15	587	42187	977	1216	1200	1000	1098	406	518	388	459	443
14:21:30	588	42359	959	1200	1177	982	1080	387	496	376	439	425
14:21:45	588	41458	941	1184	1159	964	1062	370	478	365	424	409
14:22:00	589	42312	925	1164	1141	946	1044	352	459	347	406	391
14:22:15	589	42071	907	1141	1121	928	1024	336	435	334	387	373
14:22:30	589	41387	891	1117	1099	912	1005	324	419	324	376	361
14:22:45	590	41955	874	1096	1078	896	986	309	403	309	363	346
14:23:00	590	42404	860	1072	1056	882	968	297	385	297	352	333
14:23:15	590	42496	844	1051	1036	865	949	286	370	286	340	321
14:23:30	584	42821	831	1031	1015	851	932	280	360	280	329	312
14:23:45	582	41919	817	1011	995	838	915	271	351	279	318	305
14:24:00	583	42303	802	990	977	824	898	266	342	271	307	297

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14:24:15	583	42145	790	972	959	811	883	261	331	262	298	288
14:24:30	584	42159	777	954	941	799	868	255	320	253	289	279
14:24:45	584	42131	765	936	925	786	853	248	311	250	284	273
14:25:00	584	42107	754	918	907	774	838	243	304	243	275	266
14:25:15	584	42096	741	901	891	763	824	237	297	239	266	260
14:25:30	584	42056	730	885	876	750	810	234	288	234	259	254
14:25:45	584	42077	720	869	860	739	797	230	282	235	252	250
14:26:00	584	42109	709	855	846	730	785	225	275	232	243	244
14:26:15	584	42001	698	838	831	720	772	219	270	226	235	238
14:26:30	583	41968	689	824	817	709	760	217	264	221	228	233
14:26:45	580	41734	678	810	802	700	748	214	259	221	223	229
14:27:00	571	41146	669	795	790	689	736	210	252	219	217	225
14:27:15	547	39094	660	783	775	680	725	208	250	219	214	223
14:27:30	530	38218	651	770	763	671	714	205	246	219	208	220
14:27:45	540	37819	642	757	752	662	703	201	241	217	203	216
14:28:00	559	37718	635	745	739	653	693	198	237	216	198	212
14:28:15	559	37706	626	732	727	644	682	198	235	217	192	211
14:28:30	559	37725	619	721	716	635	673	192	230	214	189	206
14:28:45	559	37793	610	711	705	628	664	192	228	214	185	205
14:29:00	558	37729	603	700	694	619	654	189	225	210	181	201
14:29:15	558	37678	595	689	684	612	645	187	219	205	178	197
14:29:30	558	37737	588	678	673	604	636	183	214	201	176	194
14:29:45	558	37674	581	667	664	597	627	178	208	198	172	189
14:30:00	557	37626	574	658	653	590	619	176	203	190	171	185
14:30:15	557	37605	567	648	644	583	611	172	198	187	167	181
14:30:30	556	37578	559	639	635	576	602	171	196	187	163	179
14:30:45	556	37502	552	630	626	568	594	169	194	185	160	177
14:31:00	555	37496	545	621	617	561	586	163	190	181	156	173
14:31:15	554	37446	540	612	608	554	579	163	189	180	154	172
14:31:30	554	37455	532	604	601	547	571	160	185	176	153	169
14:31:45	554	37332	527	595	592	541	564	160	181	176	149	167
14:32:00	553	37304	522	588	585	534	557	158	180	174	147	165
14:32:15	553	37270	514	579	576	529	550	156	178	174	145	163
14:32:30	552	37257	509	572	568	523	543	154	174	172	144	161
14:32:45	552	37209	504	565	561	516	537	153	172	171	142	160
14:33:00	551	37176	498	558	554	511	530	153	172	169	140	159
14:33:15	551	37124	493	550	547	505	524	153	172	169	138	158
14:33:30	551	37124	487	543	540	500	518	153	172	167	136	157

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14:33:45	551	37067	482	536	532	495	511	153	171	165	135	156
14:34:00	551	37075	478	529	525	489	505	153	169	165	133	155
14:34:15	550	37008	473	522	520	484	500	149	167	163	131	153
14:34:30	546	36655	342	379	478	477	419	151	176	171	91	147
14:34:45	543	36329	189	190	356	457	298	129	147	93	73	111
14:35:00	542	36340	131	129	279	433	243	118	120	84	64	97
14:35:15	542	36379	100	100	230	414	211	109	109	79	63	90
14:35:30	554	36189	84	86	196	392	190	106	99	75	61	85
14:35:45	553	36235	75	79	171	372	174	102	100	75	59	84
14:36:00	552	36133	70	73	151	352	162	99	91	73	57	80
14:36:15	552	36143	66	70	136	333	151	100	86	72	57	79
14:36:30	551	36109	64	68	124	313	142	97	86	72	55	78
14:36:45	551	36066	63	64	115	295	134	97	86	70	55	77
14:37:00	550	35991	61	64	106	277	127	93	82	70	55	75
14:37:15	550	36020	59	63	100	261	121	93	82	68	55	75
14:37:30	550	36035	59	63	95	244	115	91	77	68	54	73
14:37:45	549	35973	59	61	91	230	110	88	75	68	54	71
14:38:00	548	35959	59	61	88	216	106	86	75	66	54	70
14:38:15	549	35952	57	59	84	203	101	86	70	66	52	69
14:38:30	549	35931	57	59	82	190	97	82	72	66	52	68
14:38:45	549	35970	57	59	81	180	94	81	70	66	52	67
14:39:00	548	35877	57	59	79	169	91	81	68	64	52	66
14:39:15	548	35859	57	57	77	162	88	81	68	64	52	66
14:39:30	548	35840	57	57	77	154	86	75	68	64	52	65
14:39:45	548	35865	57	57	75	147	84	75	64	63	52	64
14:40:00	548	35831	55	57	73	142	82	75	64	63	52	64
14:40:15	548	35855	55	57	73	140	81	73	64	63	52	63
14:40:30	547	35839	55	57	72	136	80	73	64	63	52	63
14:40:45	548	35864	55	57	72	135	80	72	63	63	52	63
14:41:00	547	35776	55	55	70	133	78	72	63	63	52	63
14:41:15	547	35766	55	55	70	129	77	72	61	63	50	62
14:41:30	548	35830	55	55	70	127	77	70	63	61	50	61
14:41:45	548	35783	55	55	68	126	76	70	61	61	50	61
14:42:00	547	35761	55	55	68	124	76	70	61	61	50	61
14:42:15	547	35766	55	55	68	122	75	70	59	61	50	60
14:42:30	547	35726	54	55	70	120	75	73	66	61	50	63
14:42:45	547	35772	54	55	73	120	76	66	64	61	50	60
14:43:00	547	35745	54	55	77	120	77	63	63	64	50	60

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14:43:15	548	35728	54	55	81	118	77	59	59	61	50	57
14:43:30	547	35698	54	54	81	115	76	57	57	59	48	55
14:43:45	547	35743	54	55	82	113	76	57	57	61	48	56
14:44:00	547	35732	54	54	82	109	75	57	55	59	48	55
14:44:15	547	35774	54	55	79	106	74	57	55	57	48	54
14:44:30	547	35710	54	54	75	104	72	57	55	57	50	55
14:44:45	547	35714	54	54	73	104	71	59	55	57	50	55
14:45:00	547	35778	54	54	72	102	71	59	55	57	50	55
14:45:15	547	35723	54	54	70	100	70	59	54	57	48	55
14:45:30	547	35709	54	54	68	99	69	57	54	57	48	54
14:45:45	547	35702	54	54	66	99	68	57	54	57	48	54
14:46:00	546	35718	54	54	66	97	68	59	52	57	48	54
14:46:15	546	35749	54	54	64	95	67	57	54	57	48	54
14:46:30	547	35703	54	54	64	95	67	57	52	57	48	54
14:46:45	547	35621	54	54	63	93	66	57	52	57	50	54
14:47:00	547	35685	54	54	63	91	66	57	52	57	48	54
14:47:15	546	35689	54	54	63	91	66	57	52	57	48	54
14:47:30	546	35670	54	54	61	90	65	57	52	57	48	54
14:47:45	546	35672	54	54	61	90	65	57	52	57	48	54
14:48:00	547	35687	54	54	61	88	64	55	52	57	48	53
14:48:15	546	35702	54	54	61	88	64	55	52	57	48	53
14:48:30	546	35679	54	54	61	86	64	55	50	57	48	53
14:48:45	546	35648	54	54	61	84	63	57	52	57	50	54
14:49:00	546	35681	54	54	61	84	63	59	52	59	52	56

**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	20.8	inches
Allowable Leak Rate:	20.8	ml/min

<b>Was the Leakage Below the Allowable?</b>	<b>Yes</b>
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**Summary of Test Parameters During Burn and Cool Down Periods**

Amount of Time of Average Cal. Block > 1200 deg.:	19.0	minutes
Minimum Allowable Time at Temperature:	15	minutes
Average Cal. Block Temperature During Burn:	1112	deg. F
Maximum Average Cal. Block Temperature During Burn:	1298	deg. F
Minimum Average Cal. Block Temperature During Burn:	69	deg. F
Average Flame Temperature During Burn:	1632	deg. F
Maximum Average Flame Temperature During Burn:	1699	deg. F
Minimum Average Flame Temperature During Burn:	128	deg. F

*Notes*

<b>Were Test Conditions Within Compliance?</b>	<b>Yes</b>
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# Yarmouth Research and Technology, LLC

## Depressurization - Repressurization Test Information

Customer: GPT

Date: 12/11/2019

Product Code: 6 inch Class 300 Evolution Gasket w/ DHX Kit

Project Number: 219510

System pressure was lowered to 0 and then repressurized.

### *Operational Test Raw Data*

Time	Pressure (psig)	Average Block Temp-F
14:51:28	552	55
14:51:43	552	55
14:51:58	553	55
14:52:13	553	55
14:52:28	553	55
14:52:43	553	55
14:52:58	553	55
14:53:13	553	55
14:53:28	553	55
14:53:43	553	55
14:53:58	553	55
14:54:13	553	57
14:54:28	553	57
14:54:43	553	57
14:54:58	552	57
14:55:13	553	57
14:55:28	553	57
14:55:43	553	57
14:55:58	553	57
14:56:13	554	57
14:56:28	553	57

*Leakage was collected manually.*

Total External Leakage Collected Over 5 Minute Duration:	2.0	mls
Average Leak Rate Over 5 Minute Duration:	0.4	ml/min
Allowable Leak Rate:	20.8	ml/min

<b>Was the Leakage Below the Allowable?</b>	<b>Yes</b>
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