

# **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  
Mica Washers and Mica Sleeves**

Project Number: 219510

Test Date: December 10, 2019



*Performed by*

**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

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# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

**Customer:** GPT

**Date:** 12/10/2019

<b>Project Number:</b> 219510	
<b>Product Code:</b> 6 inch Class 300 Evolution Gasket w/ Mica Kit	
<b>Specification:</b> API 6FB, Fourth Edition, 2019	
Non-Bending, Type 1 Test	
<b>Gasket Thickness:</b>	0.187 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***

<b>Bolt to Flange:</b>	3.95	GOhms	with 1000 volts
<b>Flange to Flange:</b>	1.09	GOhms	with 50 volts
	906	MOhms	with 500 volts
	776	MOhms	with 1000 volts

***Burn and Cool Down Test***

<b>Burn Start Time:</b>	11:40:00	
<b>Burn / Cooldown Duration:</b>	60	minutes
<b>Average Pressure During Burn/Cooldown:</b>	583	psig
<b>Leak Rate During Burn/Cool Down:</b>	0.2	ml/min
<b>Allowable External Leak Rate:</b>	20.8	ml/min
<b>Amount of Time of Avg. Cal. Block &gt; 1200 deg.:</b>	20.5	minutes
<b>Were Test Conditions Within Compliance?</b>	Yes	
<b>Was the Leakage Below the Allowable?</b>	Yes	

***Depressurization - Repressurization Test***

<b>Average Pressure During Test:</b>	537	psig
<b>Gasket Leak Rate:</b>	0	ml/min
<b>Allowable External Leak Rate:</b>	20.8	ml/min
<b>Was the Leakage Below the Allowable?</b>	Yes	
<b>Does the Gasket Pass or Fail API 6FB?</b>	<b>PASS</b>	

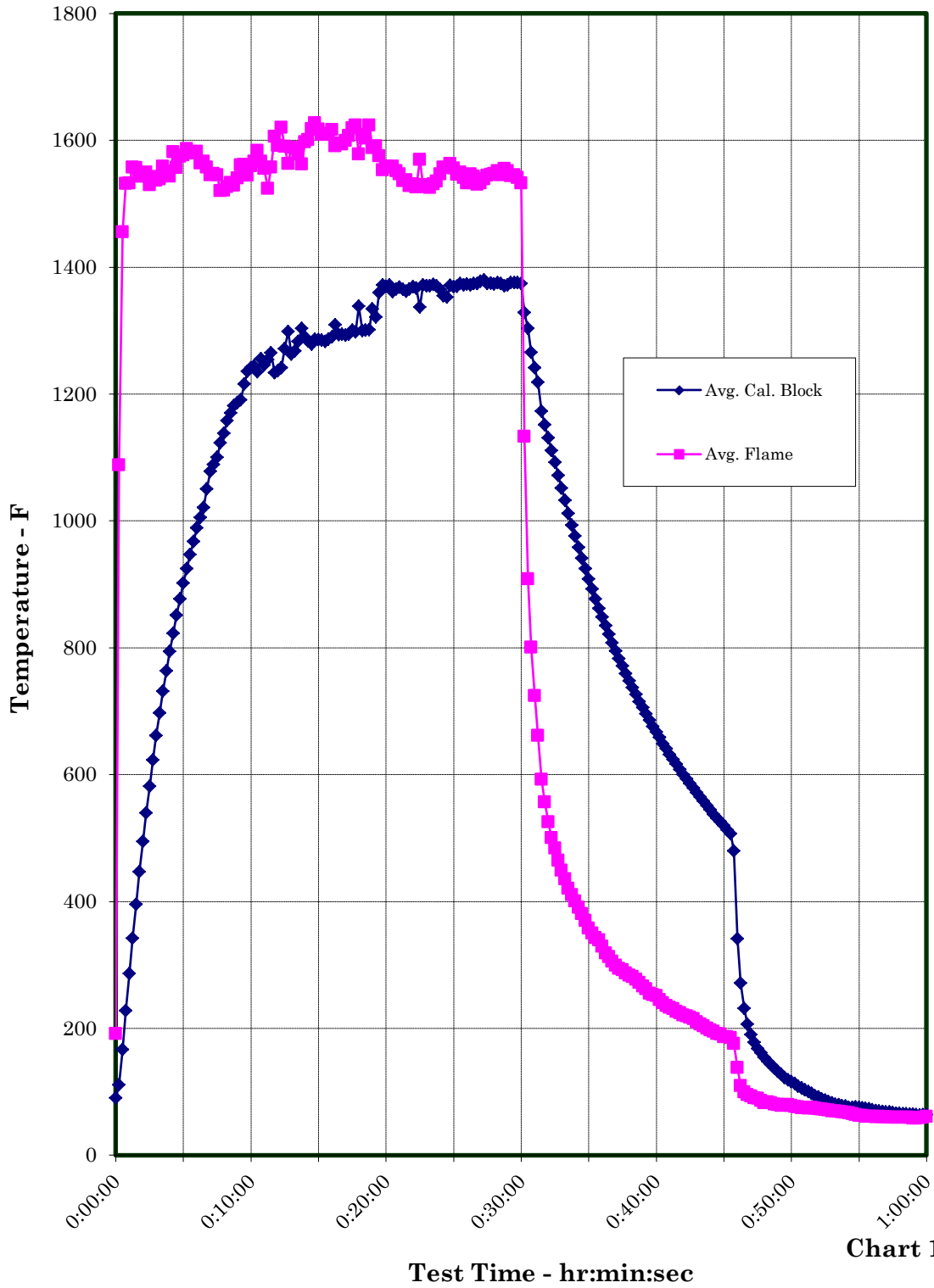
**Certified By:**



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



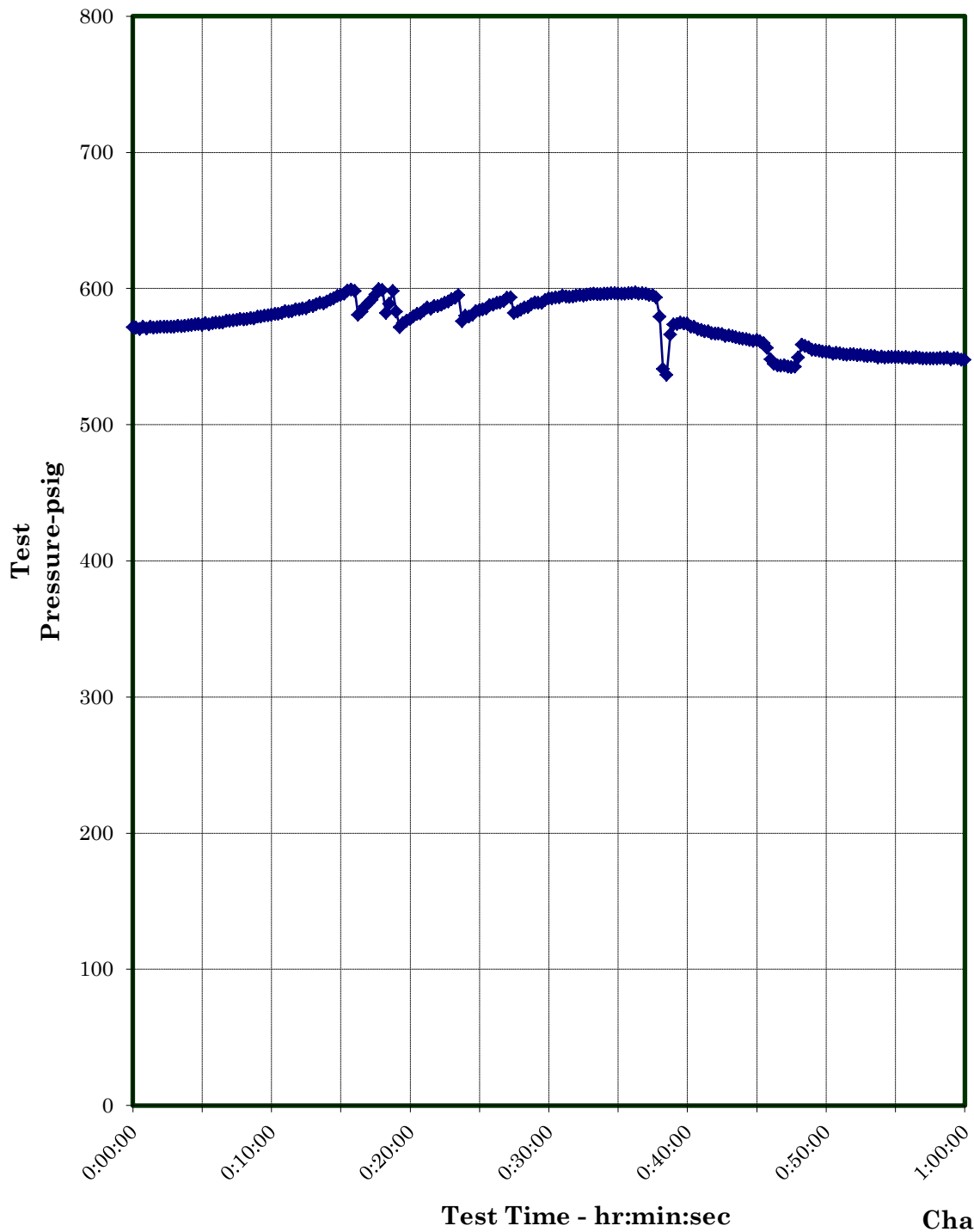
**Temperature verses Time Chart**



**Chart 1**

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**Pressure versus Time Chart**



**Chart 2**

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Test 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:** GPT

**Date:** 12/10/2019

**Product Code:** 6 inch Class 300 Evolution Gasket w/ Mica 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
11:40:00	571	43279	88	100	93	81	91	142	198	244	181	191
11:40:15	571	43235	108	122	115	99	111	993	1035	1157	1166	1088
11:40:30	570	43233	154	183	178	151	167	1438	1378	1454	1551	1455
11:40:45	572	43313	208	250	246	208	228	1472	1465	1519	1672	1532
11:41:00	570	43289	259	315	315	257	287	1441	1483	1555	1652	1533
11:41:15	572	43308	304	378	379	306	342	1521	1499	1573	1638	1558
11:41:30	571	43257	349	437	442	354	396	1497	1488	1578	1663	1557
11:41:45	571	43260	392	493	502	399	447	1458	1485	1573	1657	1543
11:42:00	572	43282	433	547	558	441	495	1434	1494	1587	1657	1543
11:42:15	572	43277	471	597	612	478	540	1447	1492	1585	1675	1550
11:42:30	572	43256	507	646	660	514	582	1414	1495	1571	1639	1530
11:42:45	572	43377	541	693	707	550	623	1449	1508	1564	1650	1543
11:43:00	572	43278	574	736	750	585	661	1458	1497	1549	1643	1537
11:43:15	573	43308	604	775	792	617	697	1459	1490	1562	1643	1539
11:43:30	572	43394	635	813	828	649	731	1486	1537	1562	1650	1559
11:43:45	573	43334	662	849	862	682	764	1470	1512	1557	1665	1551
11:44:00	573	43330	689	882	894	711	794	1425	1510	1564	1674	1543
11:44:15	573	43387	718	912	923	738	823	1533	1540	1571	1683	1582
11:44:30	574	43356	743	941	952	768	851	1470	1528	1569	1661	1557
11:44:45	574	43366	768	968	977	795	877	1530	1535	1564	1670	1575
11:45:00	573	43368	790	995	1000	822	902	1533	1533	1566	1675	1577
11:45:15	574	43394	811	1017	1024	847	925	1555	1553	1555	1684	1587
11:45:30	573	43412	831	1038	1044	874	947	1569	1549	1551	1648	1579
11:45:45	575	43458	849	1060	1063	898	968	1562	1548	1544	1668	1581
11:46:00	575	43473	865	1089	1081	921	989	1575	1562	1544	1648	1582
11:46:15	575	43487	878	1105	1098	941	1006	1490	1578	1560	1627	1564
11:46:30	575	43450	891	1125	1114	954	1021	1485	1594	1558	1630	1567



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11:46:45	576	43522	900	1206	1130	966	1051	1521	1557	1542	1611	1558
11:47:00	576	43510	910	1278	1143	981	1078	1539	1481	1533	1627	1545
11:47:15	576	43545	918	1288	1155	995	1089	1553	1494	1531	1611	1547
11:47:30	577	43533	925	1301	1166	1009	1100	1526	1510	1533	1611	1545
11:47:45	577	43546	932	1360	1179	1020	1123	1497	1402	1553	1630	1521
11:48:00	577	43563	939	1395	1188	1031	1138	1501	1393	1553	1638	1521
11:48:15	577	43687	946	1445	1197	1044	1158	1546	1369	1553	1638	1527
11:48:30	578	43676	954	1467	1204	1056	1170	1585	1378	1537	1632	1533
11:48:45	578	43589	963	1481	1211	1071	1182	1578	1382	1548	1607	1529
11:49:00	579	43596	970	1474	1220	1083	1187	1605	1386	1553	1618	1541
11:49:15	579	43696	975	1467	1225	1096	1191	1593	1468	1564	1620	1561
11:49:30	580	43749	982	1540	1233	1108	1216	1639	1432	1548	1629	1562
11:49:45	580	43707	988	1596	1238	1121	1236	1607	1386	1553	1632	1545
11:50:00	581	43762	995	1596	1242	1134	1242	1648	1384	1571	1636	1560
11:50:15	581	43799	1000	1585	1247	1144	1244	1643	1391	1589	1643	1567
11:50:30	581	43764	1006	1526	1251	1157	1235	1620	1477	1603	1634	1584
11:50:45	582	43921	1011	1594	1254	1164	1256	1641	1440	1594	1593	1567
11:51:00	583	43890	1013	1540	1256	1173	1246	1578	1497	1578	1567	1555
11:51:15	583	43874	1013	1566	1260	1179	1255	1506	1474	1582	1533	1524
11:51:30	583	43972	1013	1605	1263	1179	1265	1596	1467	1584	1584	1558
11:51:45	585	44007	1018	1463	1267	1186	1234	1663	1600	1560	1600	1606
11:52:00	585	43947	1027	1456	1269	1195	1237	1598	1652	1564	1553	1592
11:52:15	585	43974	1128	1368	1272	1198	1242	1627	1740	1548	1567	1621
11:52:30	585	44007	1139	1468	1274	1204	1271	1585	1645	1539	1591	1590
11:52:45	587	44123	1152	1557	1278	1207	1299	1611	1558	1539	1544	1563
11:53:00	587	44142	1161	1398	1279	1213	1263	1587	1722	1526	1521	1589
11:53:15	588	44206	1171	1400	1283	1216	1268	1580	1733	1522	1517	1588
11:53:30	589	44228	1179	1450	1285	1218	1283	1578	1693	1528	1512	1578
11:53:45	589	44194	1186	1522	1287	1220	1304	1591	1630	1546	1483	1563
11:54:00	590	44286	1191	1458	1290	1222	1290	1638	1701	1539	1510	1597
11:54:15	592	44321	1197	1418	1292	1227	1284	1607	1738	1531	1528	1601
11:54:30	593	44342	1204	1386	1294	1231	1279	1632	1771	1522	1548	1618
11:54:45	594	44448	1211	1402	1297	1236	1287	1652	1760	1531	1566	1627
11:55:00	595	44586	1216	1386	1299	1242	1286	1643	1773	1537	1515	1617
11:55:15	596	44572	1220	1375	1301	1245	1285	1625	1783	1531	1497	1609
11:55:30	598	44575	1222	1360	1303	1247	1283	1603	1809	1551	1476	1610
11:55:45	599	44671	1224	1368	1305	1249	1287	1607	1798	1548	1488	1610
11:56:00	598	44820	1227	1375	1306	1251	1290	1636	1794	1537	1499	1617

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11:56:15	581	45063	1231	1445	1308	1254	1310	1589	1726	1551	1499	1591
11:56:30	583	45212	1233	1380	1308	1254	1294	1591	1771	1548	1472	1596
11:56:45	587	45192	1236	1378	1310	1252	1294	1589	1774	1533	1479	1594
11:57:00	589	45347	1240	1366	1310	1254	1293	1571	1789	1549	1490	1600
11:57:15	592	45463	1242	1368	1312	1254	1294	1602	1792	1553	1483	1608
11:57:30	595	45611	1245	1389	1312	1256	1301	1636	1764	1555	1522	1619
11:57:45	600	45728	1247	1373	1312	1260	1298	1654	1783	1569	1490	1624
11:58:00	599	45987	1247	1533	1312	1263	1339	1645	1616	1573	1479	1578
11:58:15	582	46355	1247	1371	1314	1267	1300	1603	1789	1580	1463	1609
11:58:30	589	46637	1249	1373	1314	1267	1301	1596	1776	1549	1490	1603
11:58:45	598	46989	1252	1373	1314	1267	1302	1630	1780	1566	1519	1624
11:59:00	583	47712	1254	1499	1315	1269	1334	1587	1674	1569	1521	1588
11:59:15	571	47911	1254	1450	1315	1267	1322	1567	1704	1566	1528	1591
11:59:30	575	47949	1256	1603	1315	1265	1360	1652	1551	1573	1526	1576
11:59:45	576	47836	1258	1643	1317	1269	1372	1603	1512	1596	1501	1553
12:00:00	578	48188	1260	1634	1317	1269	1370	1641	1515	1567	1512	1559
12:00:15	579	48186	1261	1639	1317	1270	1372	1621	1526	1566	1517	1558
12:00:30	581	48510	1263	1594	1319	1270	1362	1629	1571	1580	1456	1559
12:00:45	581	47427	1263	1607	1319	1272	1365	1603	1548	1587	1468	1552
12:01:00	584	48961	1263	1621	1319	1270	1368	1593	1544	1594	1456	1547
12:01:15	586	48909	1263	1607	1319	1270	1365	1569	1569	1591	1416	1536
12:01:30	585	48216	1263	1596	1319	1269	1362	1560	1573	1582	1436	1538
12:01:45	587	47726	1261	1612	1321	1267	1365	1558	1564	1580	1411	1528
12:02:00	587	47417	1261	1629	1321	1265	1369	1564	1549	1571	1441	1531
12:02:15	588	47375	1261	1623	1321	1263	1367	1566	1555	1567	1416	1526
12:02:30	589	47694	1261	1506	1321	1261	1337	1555	1728	1575	1420	1570
12:02:45	590	48307	1263	1643	1321	1260	1372	1560	1546	1573	1440	1530
12:03:00	592	49282	1265	1638	1321	1258	1371	1548	1533	1589	1436	1527
12:03:15	593	49831	1267	1639	1321	1256	1371	1533	1537	1587	1443	1525
12:03:30	595	49694	1267	1648	1323	1254	1373	1557	1539	1580	1447	1531
12:03:45	576	48560	1269	1636	1323	1254	1371	1537	1548	1596	1459	1535
12:04:00	580	50002	1269	1616	1323	1252	1365	1557	1560	1585	1485	1547
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12:04:30	581	48644	1270	1567	1323	1251	1353	1582	1576	1585	1485	1557
12:04:45	583	50100	1272	1638	1323	1252	1371	1618	1539	1598	1497	1563
12:05:00	584	49601	1272	1627	1323	1254	1369	1609	1546	1602	1468	1556
12:05:15	585	48411	1272	1627	1323	1256	1370	1558	1555	1607	1465	1546
12:05:30	585	48007	1272	1647	1323	1254	1374	1576	1537	1603	1481	1549

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12:05:45	588	48127	1272	1638	1323	1254	1372	1557	1539	1602	1465	1541
12:06:00	588	48221	1272	1645	1324	1252	1373	1555	1533	1603	1438	1532
12:06:15	589	48310	1272	1639	1324	1252	1372	1551	1557	1611	1468	1547
12:06:30	590	48232	1274	1647	1324	1251	1374	1557	1533	1621	1461	1543
12:06:45	591	48716	1274	1648	1324	1249	1374	1519	1533	1621	1447	1530
12:07:00	593	49811	1274	1665	1324	1247	1378	1537	1528	1616	1449	1533
12:07:15	593	50238	1274	1675	1324	1245	1380	1548	1522	1620	1465	1539
12:07:30	582	49755	1274	1654	1324	1245	1374	1535	1549	1623	1472	1545
12:07:45	583	48889	1274	1657	1324	1243	1375	1551	1526	1611	1497	1546
12:08:00	584	49636	1274	1652	1324	1243	1373	1544	1555	1618	1472	1547
12:08:15	586	49582	1276	1659	1324	1242	1375	1562	1540	1621	1483	1552
12:08:30	586	49886	1274	1657	1324	1242	1374	1546	1548	1621	1465	1545
12:08:45	589	48573	1274	1643	1326	1240	1371	1544	1548	1627	1503	1556
12:09:00	590	50192	1276	1647	1326	1238	1372	1546	1557	1620	1485	1552
12:09:15	590	50114	1276	1663	1326	1238	1376	1530	1551	1625	1468	1544
12:09:30	589	48933	1276	1665	1326	1236	1376	1537	1548	1632	1463	1545
12:09:45	591	49081	1276	1666	1326	1234	1376	1539	1535	1630	1461	1541
12:10:00	593	49686	1278	1657	1326	1234	1374	1530	1537	1634	1429	1533
12:10:15	593	49548	1272	1486	1324	1233	1329	1143	1180	1130	1078	1133
12:10:30	593	50231	1252	1432	1314	1215	1303	878	973	910	873	909
12:10:45	594	49675	1229	1346	1296	1191	1266	739	912	795	756	801
12:11:00	595	49887	1206	1319	1274	1168	1242	644	846	727	680	724
12:11:15	594	50174	1184	1294	1251	1144	1218	576	786	669	615	662
12:11:30	594	49559	1072	1272	1227	1121	1173	527	657	617	567	592
12:11:45	594	50264	1051	1251	1206	1099	1152	487	626	586	527	557
12:12:00	595	49540	1029	1231	1184	1078	1131	457	608	541	496	526
12:12:15	595	50172	1009	1216	1162	1056	1111	428	583	522	469	501
12:12:30	595	49765	991	1200	1141	1036	1092	412	568	502	453	484
12:12:45	595	49955	972	1180	1119	1017	1072	392	550	484	433	465
12:13:00	596	50134	954	1157	1098	997	1052	372	529	475	421	449
12:13:15	596	49604	937	1135	1078	979	1032	358	513	460	410	435
12:13:30	596	50264	921	1112	1056	959	1012	343	495	450	394	421
12:13:45	596	49729	905	1090	1036	943	994	331	484	448	378	410
12:14:00	596	49866	889	1069	1018	927	976	322	478	435	367	401
12:14:15	596	50238	874	1049	999	910	958	315	468	424	356	391
12:14:30	596	49968	860	1029	982	894	941	304	459	415	345	381
12:14:45	597	49825	846	1009	964	880	925	295	444	403	336	370
12:15:00	596	49813	833	991	946	864	909	284	430	394	324	358

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12:15:15	596	49915	819	973	930	849	893	275	423	387	313	350
12:15:30	596	49856	806	954	914	835	877	268	414	387	302	343
12:15:45	597	49961	793	937	898	820	862	266	410	385	295	339
12:16:00	596	50116	781	921	883	808	848	259	397	372	288	329
12:16:15	597	50045	770	905	869	795	835	252	383	363	275	318
12:16:30	596	50074	757	889	855	783	821	244	379	358	271	313
12:16:45	596	49961	747	874	840	770	808	239	367	349	266	305
12:17:00	596	50037	736	860	826	759	795	232	360	345	261	300
12:17:15	595	49982	725	846	813	747	783	230	354	340	253	294
12:17:30	595	49927	716	831	801	736	771	228	352	342	246	292
12:17:45	593	49936	705	817	788	727	759	226	347	334	241	287
12:18:00	579	49200	696	804	775	716	748	223	343	334	235	284
12:18:15	541	47046	687	792	765	705	737	223	340	333	230	282
12:18:30	536	45567	678	779	754	696	727	221	336	325	225	277
12:18:45	566	45567	669	766	741	685	715	219	333	318	217	272
12:19:00	574	45629	660	756	730	676	706	214	324	316	212	267
12:19:15	574	45672	651	745	720	667	696	208	316	313	210	262
12:19:30	575	45670	644	732	709	658	686	201	307	306	205	255
12:19:45	574	45713	635	721	698	649	676	199	304	309	199	253
12:20:00	574	45663	628	712	689	640	667	199	306	306	194	251
12:20:15	572	45674	621	702	678	633	659	196	295	300	190	245
12:20:30	572	45589	612	691	669	624	649	190	288	293	189	240
12:20:45	570	45517	604	682	660	617	641	187	284	288	185	236
12:21:00	569	45586	597	671	651	608	632	185	280	286	180	233
12:21:15	569	45498	590	662	642	601	624	183	279	286	176	231
12:21:30	568	45415	583	653	635	594	616	180	273	279	174	227
12:21:45	567	45486	576	644	626	586	608	180	270	277	171	225
12:22:00	567	45475	570	635	617	579	600	178	266	271	167	221
12:22:15	567	45388	563	628	610	572	593	176	264	273	165	220
12:22:30	566	45373	558	619	603	565	586	174	262	271	162	217
12:22:45	565	45289	550	612	594	558	579	172	259	268	160	215
12:23:00	565	45293	545	604	586	552	572	169	252	262	156	210
12:23:15	565	45325	538	595	579	545	564	167	248	257	154	207
12:23:30	564	45255	532	588	572	540	558	165	243	255	151	204
12:23:45	563	45189	525	581	565	532	551	163	237	252	149	200
12:24:00	563	45190	520	574	558	527	545	160	234	248	147	197
12:24:15	563	45179	514	567	550	520	538	158	232	244	145	195
12:24:30	562	45133	509	559	543	514	531	156	226	241	144	192

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12:24:45	561	45127	504	552	538	509	526	154	225	241	142	191
12:25:00	562	45138	498	545	531	504	520	151	219	237	140	187
12:25:15	561	45021	493	538	525	496	513	151	217	239	140	187
12:25:30	560	45017	487	532	518	491	507	149	214	239	138	185
12:25:45	556	44707	419	505	509	486	480	131	196	205	171	176
12:26:00	548	44398	212	261	414	478	341	145	167	158	82	138
12:26:15	545	44191	138	167	313	466	271	126	117	120	75	110
12:26:30	543	44009	104	122	250	451	232	117	106	106	68	99
12:26:45	543	43967	84	95	208	439	207	109	104	99	68	95
12:27:00	543	43979	75	81	181	424	190	104	100	99	68	93
12:27:15	542	43924	70	70	160	412	178	100	100	97	64	90
12:27:30	542	43868	66	64	144	399	168	99	100	97	61	89
12:27:45	542	43810	63	59	133	390	161	95	90	95	63	86
12:28:00	549	43608	63	55	122	378	155	95	82	90	63	83
12:28:15	559	43688	63	54	113	363	148	95	81	93	66	84
12:28:30	558	43722	63	54	106	349	143	95	79	93	63	83
12:28:45	557	43676	61	52	102	334	137	91	77	91	61	80
12:29:00	555	43637	61	50	97	320	132	90	77	93	59	80
12:29:15	555	43556	59	48	95	307	127	88	75	90	59	78
12:29:30	554	43572	59	46	91	293	122	88	77	95	57	79
12:29:45	554	43578	59	46	90	280	119	88	77	93	59	79
12:30:00	553	43566	59	45	90	270	116	86	77	91	59	78
12:30:15	553	43536	59	45	90	257	113	86	75	88	57	77
12:30:30	552	43456	57	45	90	244	109	86	73	88	57	76
12:30:45	553	43509	57	43	90	234	106	81	73	88	55	74
12:31:00	552	43471	57	43	90	221	103	81	73	88	55	74
12:31:15	552	43509	57	43	90	210	100	82	73	82	57	74
12:31:30	551	43471	57	43	90	198	97	86	73	84	57	75
12:31:45	552	43475	55	43	91	187	94	84	72	84	55	74
12:32:00	552	43410	57	43	91	176	92	84	72	81	55	73
12:32:15	551	43448	55	43	91	167	89	82	72	79	55	72
12:32:30	551	43454	55	43	91	158	87	81	72	79	55	72
12:32:45	551	43463	55	43	90	149	84	81	70	79	55	71
12:33:00	550	43435	55	41	90	142	82	77	70	75	55	69
12:33:15	551	43394	55	41	90	136	81	77	70	77	55	70
12:33:30	550	43274	55	41	90	131	79	77	70	73	54	69
12:33:45	549	43449	55	41	88	127	78	75	68	73	55	68
12:34:00	550	43421	55	41	88	124	77	73	68	72	55	67

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12:34:15	549	43345	55	41	88	118	76	72	68	72	54	67
12:34:30	550	43338	54	39	90	117	75	70	68	70	54	66
12:34:45	550	43475	54	39	95	115	76	64	68	70	52	64
12:35:00	550	43397	54	39	97	111	75	66	64	68	50	62
12:35:15	550	43317	54	39	97	109	75	66	64	68	50	62
12:35:30	549	43346	54	37	95	108	74	64	64	66	50	61
12:35:45	550	43296	54	37	93	108	73	66	64	66	48	61
12:36:00	549	43335	52	37	91	106	72	66	64	66	48	61
12:36:15	549	43341	52	37	88	104	70	64	64	64	48	60
12:36:30	549	43268	52	37	86	102	69	66	64	66	48	61
12:36:45	549	43365	52	37	84	102	69	64	64	66	48	61
12:37:00	549	43375	52	37	84	100	68	64	64	64	48	60
12:37:15	549	43294	52	37	82	100	68	63	63	64	48	60
12:37:30	549	43213	52	37	81	99	67	63	63	63	48	59
12:37:45	549	43317	52	37	79	97	66	63	63	64	48	60
12:38:00	549	43346	52	37	79	97	66	63	63	63	48	59
12:38:15	549	43307	52	37	77	95	65	63	63	63	48	59
12:38:30	549	43326	52	37	77	95	65	63	63	63	48	59
12:38:45	549	43269	52	37	75	93	64	63	63	63	48	59
12:39:00	548	43282	52	37	75	93	64	61	61	63	48	58
12:39:15	549	43347	52	37	75	91	64	59	63	61	48	58
12:39:30	549	43207	52	37	73	91	63	59	63	63	50	59
12:39:45	548	43242	52	39	73	90	64	61	63	63	52	60
12:40:00	548	43269	52	39	73	90	64	61	64	64	54	61



**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:	10	mls
System Relief Water Collected:	0	mls
Calculated Water Loss:	10	mls
Average Leak Rate:	0.2	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.:	20.5	minutes
Minimum Allowable Time at Temperature:	15	minutes
Average Cal. Block Temperature During Burn:	1151	deg. F
Maximum Average Cal. Block Temperature During Burn:	1380	deg. F
Minimum Average Cal. Block Temperature During Burn:	91	deg. F
Average Flame Temperature During Burn:	1546	deg. F
Maximum Average Flame Temperature During Burn:	1627	deg. F
Minimum Average Flame Temperature During Burn:	191	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: 12/10/2019

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

Project Number: 219510

System pressure was lowered to 0 and then repressurized.

### *Operational Test Raw Data*

Time	Pressure (psig)	Average Block Temp-F
12:42:45	535	55
12:43:00	536	55
12:43:15	537	57
12:43:30	538	57
12:43:45	536	57
12:44:00	537	57
12:44:15	537	57
12:44:30	537	57
12:44:45	538	59
12:45:00	537	59
12:45:15	538	59
12:45:30	538	59
12:45:45	537	59
12:46:00	537	59
12:46:15	538	59
12:46:30	538	61
12:46:45	538	61
12:47:00	538	61
12:47:15	538	61
12:47:30	537	61
12:47:45	537	61

*Leakage was collected manually.*

Total External Leakage Collected Over 5 Minute Duration:	0	mls
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Allowable Leak Rate:	20.8	ml/min

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