

# **Fire Test Report**

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

*Performed for*

**GPT Industries**

**[www.GPTIndustries.com](http://www.GPTIndustries.com)**



**12 inch Class 600# Evolution® Isolation Gasket  
with Reinforced PTFE ID Seal and Fire-Safe  
Inconel 718 C-Ring with Mica Insulating  
Washers, SS Backup Washers and Mica Sleeves  
Product Code: Evolution**

Project Number: 223094

Test Date: July 19, 2023



*Performed by*

**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

434 Walnut Hill Road  
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**[www.yarmouthresearch.com](http://www.yarmouthresearch.com)**

# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

Customer: GPT Industries

Project Number: 223094

Date: 7/19/2023

Product Description: 12 inch Class 600# Evolution Isolation Gasket with Reinforced PTFE ID Seal and Fire-Safe Inconel 718 C-Ring with Mica Insulating Washers, SS Backup Washers and Mica sleeves.

Product Code: Evolution

Specification: API 6FB, Fourth Edition, 2019

Non-Bending, Type 1 Test

Gasket Thickness: 0.125 inches

Seal Area OD: 13.50 Seal Area ID: 13.25 inches

Mean Seal Diameter: 13.38 inches

Mean Circumference: 42.019 inches

Allowable Leakage: 42.0 ml/min

Nominal Test Pressure: 1110 psig

Nut Torque: 785 ft-lb

YRT Technician: Dean Frank

Version of YRT's FIRE-Control 6FB Software: B

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:	1118	psig
Leak Rate During Burn/Cool Down:	0	ml/min
Allowable External Leak Rate:	42.0	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	17.3	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

### Depressurization - Repressurization Test

Average Pressure During Test:	1061	psig
Gasket Leak Rate:	0	ml/min
Allowable External Leak Rate:	42.0	ml/min
Was the Leakage Below the Allowable?	Yes	
Does the Gasket Pass or Fail API 6FB?	PASS	

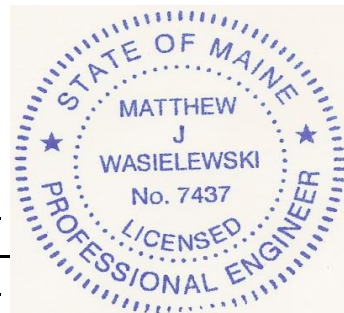
Certified By:



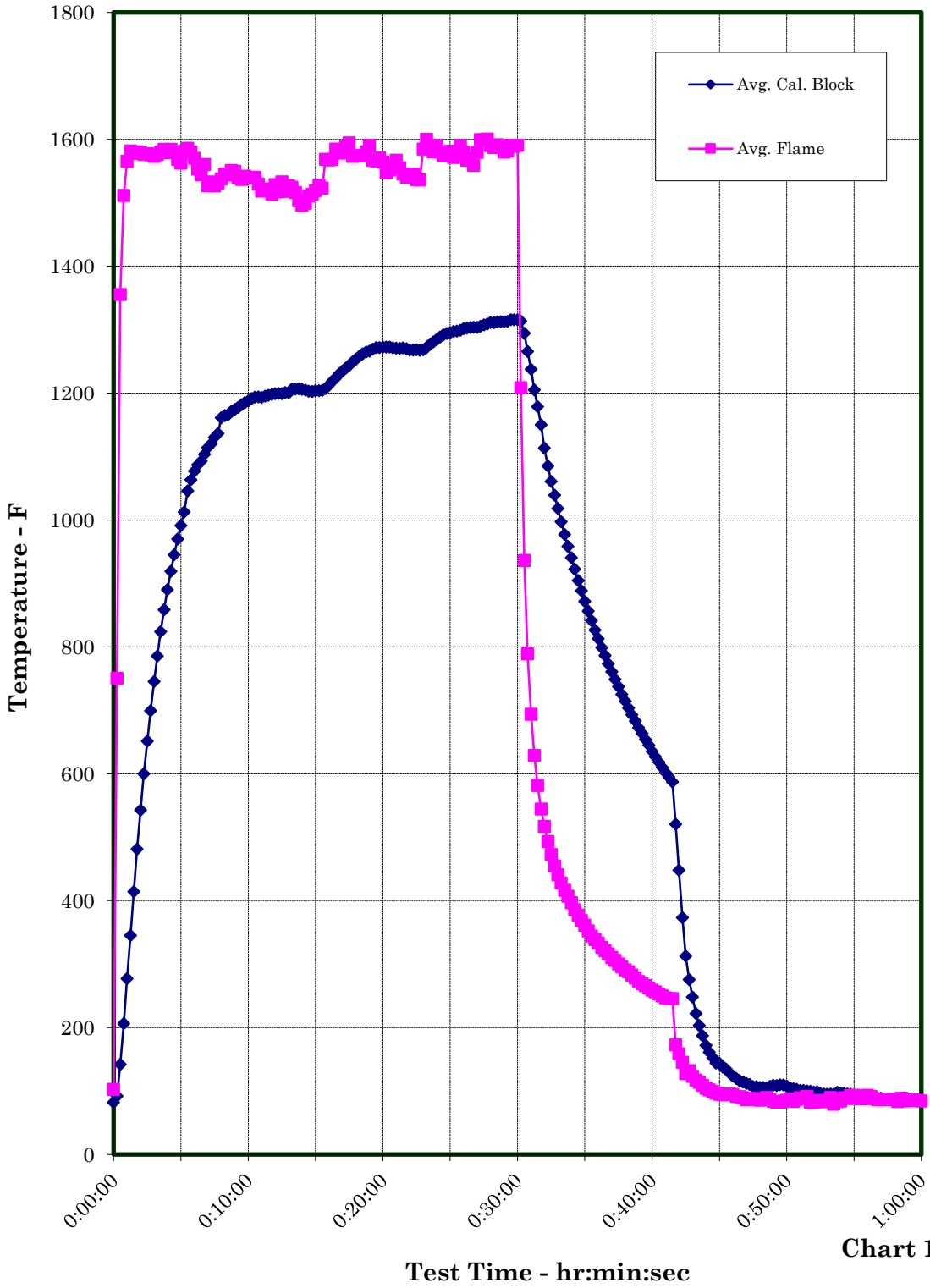
Matthew J. Wasielewski, PE

President and Manager

Yarmouth Research and Technology, LLC



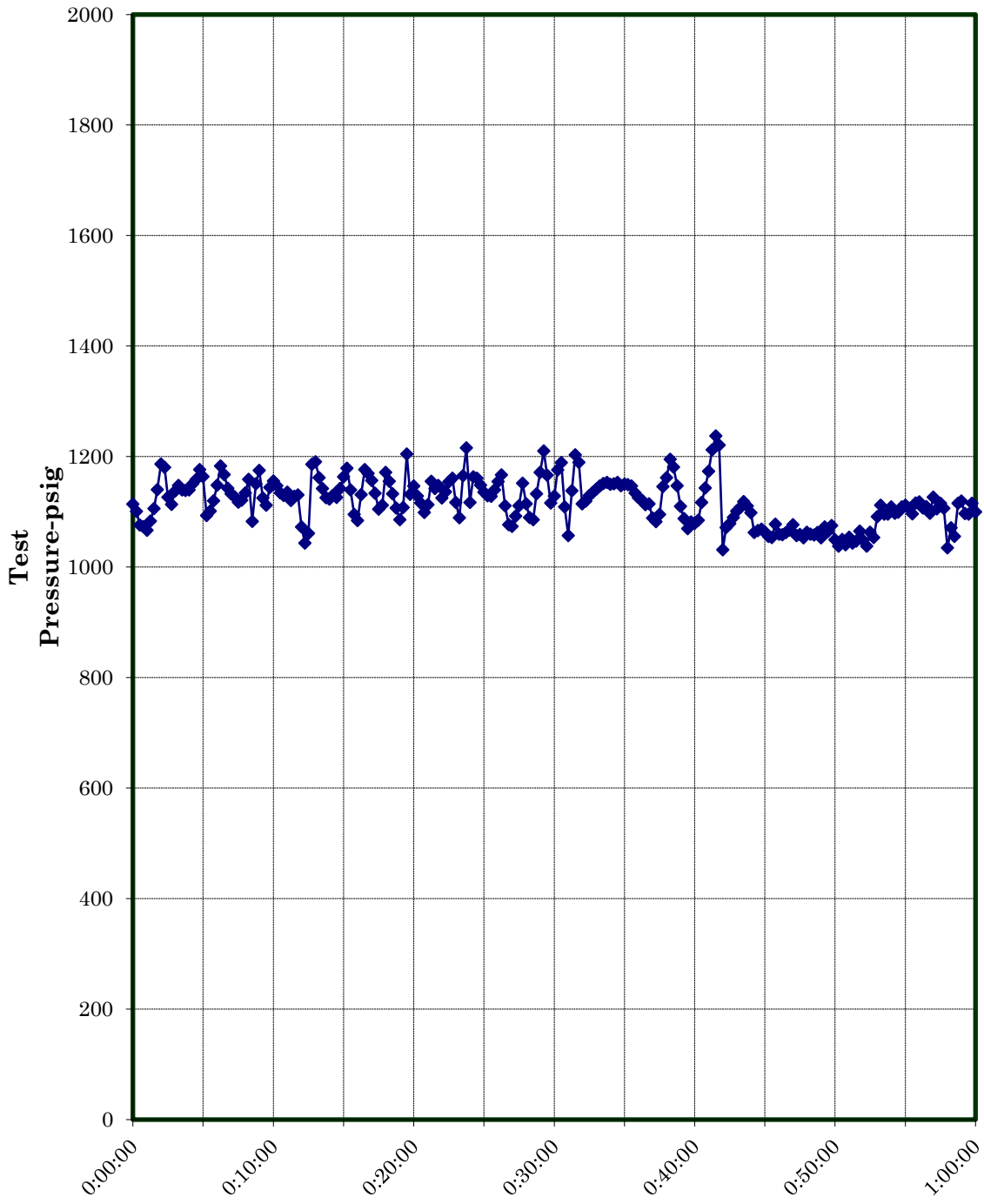
**Temperature verses Time Chart**



**Chart 1**

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**Pressure verses Time Chart**



**Test Time - hr:min:sec**

**Chart 2**

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Gasket Kit Prior to Test



Gasket Prior to Test

**Yarmouth Research and Technology, LLC**



Gasket Prior to Test

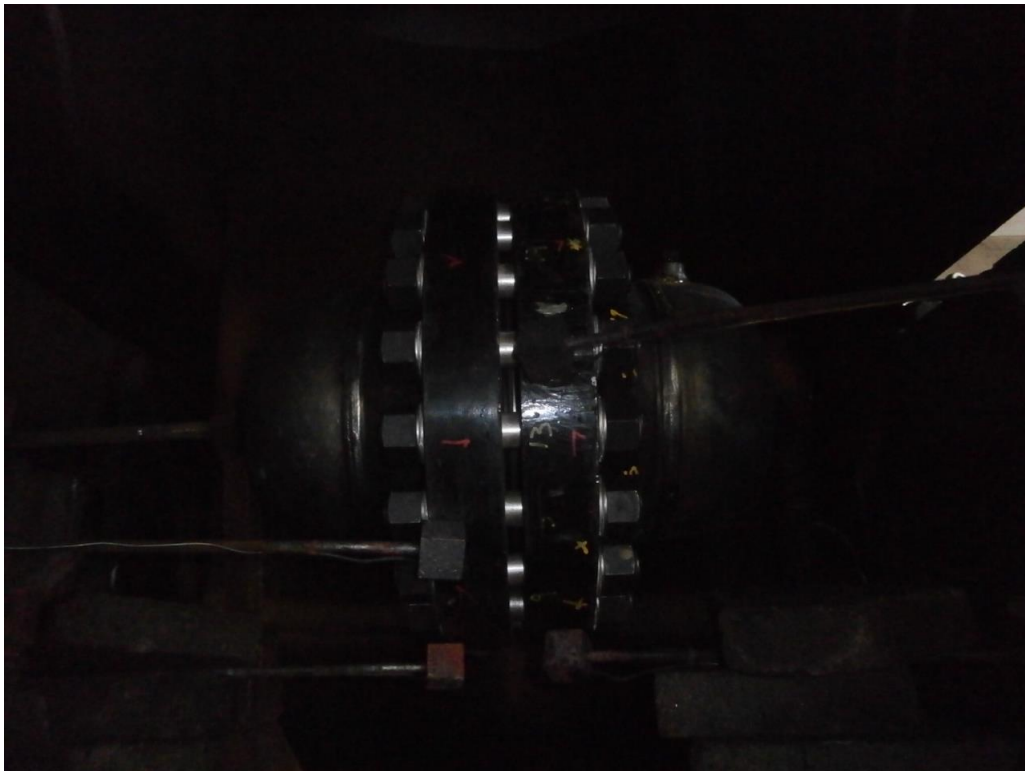


Sleeves Prior to Test

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Washers Prior to Test



Test Setup Prior to Burn



Gasket During Burn



# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

Customer: GPT Industries

Date: 7/19/2023

12 inch Class 600# Evolution Isolation Gasket with Reinforced PTFE ID Seal and Fire-Safe Inconel 718 C-Ring with

Product Code: Mica Insulating Washers, SS Backup Washers and Mica sleeves.

Project Number: 223094

### 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
13:55:00	1114	34382	84	79	82	84	82	104	117	91	99	103
13:55:15	1101	34468	95	90	84	99	92	768	828	527	880	751
13:55:30	1076	34380	153	147	106	162	142	1382	1326	1247	1467	1356
13:55:45	1073	34393	228	210	149	239	207	1501	1396	1528	1621	1512
13:56:00	1067	34430	307	277	201	324	277	1535	1432	1616	1679	1566
13:56:15	1083	34350	385	338	252	405	345	1540	1463	1636	1688	1582
13:56:30	1106	34398	460	397	322	478	414	1539	1470	1612	1690	1578
13:56:45	1140	34362	529	455	394	547	481	1553	1461	1618	1690	1581
13:57:00	1187	34367	592	511	460	608	543	1557	1443	1623	1693	1579
13:57:15	1180	34359	648	565	522	664	600	1558	1441	1612	1693	1576
13:57:30	1127	34456	698	613	581	714	652	1562	1445	1625	1677	1577
13:57:45	1114	34385	743	660	635	759	699	1557	1418	1643	1684	1576
13:58:00	1138	34365	784	705	689	804	746	1573	1432	1602	1686	1573
13:58:15	1148	34354	822	745	734	842	786	1560	1429	1625	1690	1576
13:58:30	1140	34402	856	783	779	878	824	1560	1436	1636	1690	1581
13:58:45	1139	34431	889	819	817	910	859	1562	1438	1645	1692	1584
13:59:00	1140	34350	918	851	851	941	890	1549	1432	1647	1688	1579
13:59:15	1151	34438	943	882	883	968	919	1567	1441	1634	1695	1584
13:59:30	1159	34463	968	909	910	993	945	1580	1452	1584	1701	1579
13:59:45	1177	34383	997	934	932	1017	970	1598	1463	1512	1701	1569
14:00:00	1164	34407	1020	955	950	1040	991	1582	1458	1526	1684	1563
14:00:15	1093	34487	1042	979	970	1060	1013	1558	1456	1627	1683	1581
14:00:30	1101	34445	1058	1053	995	1078	1046	1567	1445	1663	1668	1586
14:00:45	1120	34396	1072	1067	1020	1094	1063	1567	1449	1641	1663	1580
14:01:00	1148	34373	1085	1076	1040	1108	1077	1551	1443	1630	1656	1570
14:01:15	1183	34390	1096	1076	1056	1119	1087	1542	1470	1609	1591	1553
14:01:30	1167	34464	1105	1074	1071	1121	1093	1555	1485	1548	1589	1544
14:01:45	1143	34400	1112	1101	1080	1121	1104	1557	1494	1614	1576	1560

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14:02:00	1133	34438	1119	1123	1094	1121	1114	1501	1492	1540	1575	1527
14:02:15	1127	34412	1121	1135	1103	1121	1120	1494	1486	1557	1594	1533
14:02:30	1118	34365	1123	1162	1114	1123	1131	1504	1494	1515	1594	1527
14:02:45	1121	34405	1126	1173	1121	1125	1136	1510	1494	1519	1602	1531
14:03:00	1134	34422	1130	1260	1126	1128	1161	1506	1501	1542	1602	1538
14:03:15	1159	34416	1132	1263	1134	1130	1165	1522	1508	1566	1585	1545
14:03:30	1083	34388	1137	1254	1141	1132	1166	1510	1512	1580	1573	1544
14:03:45	1151	34529	1139	1267	1146	1132	1171	1515	1515	1609	1564	1551
14:04:00	1175	34403	1143	1270	1153	1132	1175	1530	1521	1564	1584	1550
14:04:15	1125	34497	1144	1272	1159	1134	1177	1506	1521	1526	1605	1540
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14:04:45	1144	34489	1144	1292	1168	1137	1185	1494	1519	1585	1569	1542
14:05:00	1156	34438	1144	1296	1173	1137	1188	1495	1526	1571	1566	1540
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14:05:30	1134	34421	1148	1310	1182	1135	1194	1497	1530	1567	1567	1540
14:05:45	1130	34397	1148	1305	1186	1137	1194	1468	1533	1526	1591	1530
14:06:00	1135	34454	1148	1297	1188	1139	1193	1454	1537	1504	1578	1518
14:06:15	1121	34439	1148	1306	1188	1139	1195	1476	1537	1530	1544	1522
14:06:30	1128	34391	1146	1310	1189	1141	1197	1474	1542	1508	1557	1520
14:06:45	1131	34429	1148	1314	1188	1141	1198	1483	1542	1474	1555	1514
14:07:00	1073	34357	1150	1317	1186	1144	1199	1512	1530	1485	1587	1529
14:07:15	1043	34424	1150	1317	1186	1146	1200	1414	1539	1557	1558	1517
14:07:30	1061	34452	1146	1315	1189	1146	1199	1438	1540	1611	1542	1533
14:07:45	1186	34375	1144	1319	1195	1146	1201	1434	1537	1553	1548	1518
14:08:00	1191	34385	1146	1310	1197	1148	1200	1519	1531	1485	1573	1527
14:08:15	1162	34406	1152	1330	1193	1150	1206	1531	1521	1458	1587	1524
14:08:30	1142	34355	1157	1326	1191	1152	1207	1479	1535	1485	1567	1517
14:08:45	1126	34401	1157	1330	1189	1152	1207	1452	1546	1504	1510	1503
14:09:00	1123	34350	1153	1332	1189	1150	1206	1378	1557	1564	1485	1496
14:09:15	1130	34412	1148	1330	1193	1148	1205	1375	1569	1576	1477	1499
14:09:30	1126	34429	1143	1328	1195	1146	1203	1413	1560	1526	1544	1511
14:09:45	1142	34403	1141	1328	1195	1146	1203	1436	1555	1490	1573	1514
14:10:00	1163	34365	1139	1332	1197	1148	1204	1407	1571	1540	1560	1520
14:10:15	1179	34374	1137	1333	1197	1148	1204	1409	1569	1582	1551	1528
14:10:30	1140	34403	1135	1337	1198	1148	1205	1465	1557	1504	1566	1523
14:10:45	1095	34383	1139	1339	1198	1153	1207	1519	1540	1555	1659	1568
14:11:00	1084	34407	1146	1342	1200	1164	1213	1528	1535	1564	1643	1568
14:11:15	1131	34413	1152	1348	1204	1171	1219	1524	1533	1587	1629	1568
14:11:30	1176	34370	1159	1353	1207	1177	1224	1524	1537	1652	1625	1585
14:11:45	1170	34392	1164	1360	1215	1182	1230	1539	1531	1600	1645	1579

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14:12:00	1157	34466	1170	1362	1220	1188	1235	1539	1526	1585	1665	1579
14:12:15	1134	34408	1173	1366	1224	1195	1240	1504	1533	1665	1652	1589
14:12:30	1105	34423	1177	1371	1229	1198	1244	1522	1530	1679	1647	1595
14:12:45	1112	34413	1179	1380	1233	1204	1249	1521	1528	1573	1670	1573
14:13:00	1172	34445	1182	1389	1233	1209	1253	1521	1526	1575	1674	1574
14:13:15	1156	34426	1186	1398	1234	1215	1258	1530	1526	1576	1665	1574
14:13:30	1133	34393	1189	1404	1234	1220	1262	1575	1531	1539	1652	1574
14:13:45	1107	34397	1197	1404	1234	1224	1265	1512	1531	1611	1668	1581
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14:14:15	1108	34481	1197	1407	1242	1231	1269	1477	1542	1620	1630	1567
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14:14:45	1132	34409	1193	1416	1247	1231	1272	1497	1539	1612	1636	1571
14:15:00	1147	34382	1193	1414	1249	1234	1273	1452	1544	1630	1630	1564
14:15:15	1128	34387	1191	1414	1252	1234	1273	1432	1539	1641	1578	1548
14:15:30	1116	34457	1189	1414	1254	1234	1273	1486	1539	1571	1611	1552
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14:16:15	1155	34453	1200	1391	1251	1240	1271	1479	1548	1582	1611	1555
14:16:30	1142	34425	1200	1395	1251	1240	1272	1459	1553	1558	1611	1545
14:16:45	1148	34414	1198	1393	1251	1238	1270	1465	1555	1521	1620	1540
14:17:00	1125	34403	1197	1387	1249	1238	1268	1440	1555	1557	1612	1541
14:17:15	1136	34385	1195	1389	1249	1238	1268	1492	1544	1560	1584	1545
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14:17:45	1161	34365	1197	1389	1247	1236	1267	1427	1564	1602	1551	1536
14:18:00	1117	34403	1193	1393	1251	1236	1268	1472	1549	1668	1650	1585
14:18:15	1089	34453	1193	1396	1256	1242	1272	1479	1557	1701	1663	1600
14:18:30	1165	34470	1193	1404	1263	1249	1277	1497	1546	1656	1654	1588
14:18:45	1216	34377	1193	1409	1267	1254	1281	1486	1531	1629	1675	1580
14:19:00	1117	34414	1195	1414	1269	1260	1285	1486	1548	1650	1674	1590
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14:21:30	1111	34365	1202	1447	1281	1283	1303	1459	1555	1645	1620	1570
14:21:45	1077	34419	1200	1449	1283	1283	1304	1440	1551	1609	1636	1559

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14:22:00	1074	34391	1198	1449	1283	1285	1304	1461	1553	1663	1641	1580
14:22:15	1092	34401	1197	1452	1287	1285	1305	1501	1546	1654	1697	1600
14:22:30	1111	34386	1198	1452	1290	1290	1308	1474	1562	1686	1674	1599
14:22:45	1152	34372	1198	1452	1294	1292	1309	1470	1553	1706	1672	1600
14:23:00	1115	34392	1198	1454	1297	1296	1311	1488	1548	1618	1706	1590
14:23:15	1090	34427	1198	1452	1297	1297	1311	1461	1546	1645	1697	1587
14:23:30	1086	34380	1198	1456	1296	1299	1312	1474	1548	1638	1706	1592
14:23:45	1133	34367	1198	1454	1297	1301	1313	1459	1553	1645	1697	1589
14:24:00	1172	34368	1197	1452	1299	1303	1313	1456	1548	1605	1711	1580
14:24:15	1210	34442	1195	1454	1299	1305	1313	1450	1546	1623	1708	1582
14:24:30	1166	34371	1195	1461	1301	1306	1316	1504	1551	1605	1702	1591
14:24:45	1116	34470	1197	1459	1301	1306	1316	1504	1546	1609	1697	1589
14:25:00	1129	34452	1198	1454	1303	1308	1316	1495	1546	1629	1692	1591
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14:26:00	1057	34348	1125	1375	1227	1224	1238	628	851	626	671	694
14:26:15	1138	34402	1099	1328	1198	1195	1205	567	777	565	606	629
14:26:30	1203	34428	1074	1301	1171	1168	1179	522	721	522	561	582
14:26:45	1190	34359	1053	1263	1144	1141	1150	487	678	486	527	545
14:27:00	1114	34420	1029	1189	1119	1117	1114	457	651	460	500	517
14:27:15	1120	34349	1009	1146	1094	1092	1085	432	624	441	475	493
14:27:30	1130	34407	988	1116	1071	1069	1061	414	601	421	455	473
14:27:45	1135	34349	968	1094	1047	1047	1039	397	581	403	439	455
14:28:00	1141	34441	950	1071	1026	1026	1018	383	567	388	424	441
14:28:15	1147	34366	932	1049	1004	1004	997	369	558	374	410	428
14:28:30	1151	34387	914	1029	982	984	977	354	552	361	399	417
14:28:45	1153	34410	898	1009	963	964	959	343	545	352	388	407
14:29:00	1150	34348	882	991	943	946	941	333	532	343	379	397
14:29:15	1151	34379	865	972	925	928	923	322	518	334	369	386
14:29:30	1153	34411	849	954	905	910	905	316	507	325	361	377
14:29:45	1147	34384	835	937	889	892	888	309	498	316	352	369
14:30:00	1150	34388	822	919	871	876	872	304	489	311	342	362
14:30:15	1149	34484	808	903	855	860	857	293	480	302	334	352
14:30:30	1147	34412	793	889	838	846	842	286	469	295	327	344
14:30:45	1134	34391	781	873	822	831	827	282	464	289	320	339
14:31:00	1125	34405	768	858	808	817	813	277	457	284	315	333
14:31:15	1121	34370	757	844	793	802	799	271	448	277	309	326
14:31:30	1113	34310	745	831	779	790	786	264	448	271	302	321
14:31:45	1114	34318	734	817	766	775	773	262	442	266	295	316

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14:32:00	1089	34448	723	804	754	763	761	255	437	261	289	311
14:32:15	1082	34411	712	792	741	750	749	252	430	257	284	306
14:32:30	1095	34388	702	779	729	739	737	246	423	252	280	300
14:32:45	1146	34347	691	766	716	727	725	243	417	246	277	296
14:33:00	1162	34363	682	754	705	716	714	241	412	239	271	291
14:33:15	1195	34389	673	743	694	705	704	237	410	235	270	288
14:33:30	1181	34389	662	732	684	694	693	232	403	232	264	283
14:33:45	1147	34353	655	721	673	684	683	228	396	228	261	278
14:34:00	1110	34283	644	711	662	673	673	223	390	223	255	273
14:34:15	1088	34403	637	702	651	664	664	219	387	219	252	269
14:34:30	1070	34491	628	691	642	655	654	216	385	216	248	266
14:34:45	1082	34329	621	682	631	646	645	214	378	212	246	263
14:35:00	1079	34348	612	671	622	637	636	212	370	210	244	259
14:35:15	1085	34393	604	662	613	628	627	210	365	207	244	257
14:35:30	1117	34333	597	653	604	619	618	207	360	205	239	253
14:35:45	1143	34395	590	644	597	610	610	205	360	201	234	250
14:36:00	1173	34385	583	635	588	601	602	203	356	199	230	247
14:36:15	1212	34400	576	628	581	594	595	201	354	199	228	246
14:36:30	1238	34334	568	621	574	585	587	201	351	201	230	246
14:36:45	1221	34315	352	597	565	568	521	127	205	192	167	173
14:37:00	1031	34309	207	527	531	527	448	97	208	167	162	159
14:37:15	1072	34345	149	376	495	473	373	84	172	163	163	146
14:37:30	1079	34250	118	250	462	421	313	73	133	156	147	127
14:37:45	1090	34214	104	201	428	369	276	77	124	163	165	132
14:38:00	1102	34109	95	185	394	318	248	72	111	156	154	123
14:38:15	1108	34092	90	176	361	261	222	73	108	153	135	117
14:38:30	1119	34013	88	167	331	228	204	73	100	149	133	114
14:38:45	1110	33961	84	158	298	208	187	70	99	140	127	109
14:39:00	1099	33938	81	151	270	185	172	70	95	131	122	105
14:39:15	1063	33815	79	147	246	172	161	68	93	127	120	102
14:39:30	1066	33777	77	144	226	163	153	64	91	124	118	99
14:39:45	1069	33718	73	147	212	145	144	64	91	118	113	97
14:40:00	1063	33659	72	147	199	156	144	63	95	113	109	95
14:40:15	1056	33587	72	145	189	144	138	63	93	113	108	94
14:40:30	1053	33438	72	144	180	142	135	63	95	113	108	95
14:40:45	1078	33488	70	138	171	136	129	63	95	117	106	95
14:41:00	1060	33427	68	135	162	129	124	63	90	118	108	95
14:41:15	1059	33335	70	131	154	124	120	63	84	113	106	92
14:41:30	1063	33230	68	129	147	122	117	63	84	111	106	91
14:41:45	1067	33250	68	126	142	120	114	63	82	109	104	90

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14:42:00	1077	33143	68	126	136	118	112	63	81	102	100	87
14:42:15	1057	33094	68	124	133	117	111	63	84	104	104	89
14:42:30	1059	33096	68	120	129	111	107	63	82	100	104	87
14:42:45	1053	33041	68	120	126	113	107	63	82	99	102	87
14:43:00	1063	32947	68	118	124	113	106	63	77	102	100	86
14:43:15	1060	32915	68	117	120	117	106	63	81	104	104	88
14:43:30	1058	32859	68	117	118	118	105	63	79	99	118	90
14:43:45	1062	32827	68	117	117	127	107	63	77	99	108	87
14:44:00	1053	32840	68	117	115	136	109	61	77	95	102	84
14:44:15	1073	32721	68	117	113	136	109	61	77	95	97	83
14:44:30	1065	32783	68	117	111	144	110	61	75	95	99	83
14:44:45	1075	32691	68	115	111	144	110	61	77	97	100	84
14:45:00	1050	32612	68	113	109	142	108	61	77	95	109	86
14:45:15	1038	32590	68	111	108	133	105	61	75	95	118	87
14:45:30	1050	32543	66	109	108	131	104	61	75	91	108	84
14:45:45	1040	32455	66	108	106	131	103	61	75	90	122	87
14:46:00	1054	32436	66	108	104	126	101	61	73	90	133	89
14:46:15	1043	32493	66	108	104	126	101	61	73	88	133	89
14:46:30	1047	32387	66	106	102	126	100	61	73	88	145	92
14:46:45	1065	32372	66	104	102	126	100	61	73	86	109	82
14:47:00	1049	32323	66	104	100	124	99	61	72	86	109	82
14:47:15	1038	32357	66	104	100	126	99	61	73	86	117	84
14:47:30	1063	32286	66	102	99	118	96	61	72	88	120	85
14:47:45	1053	32213	66	100	99	117	96	61	72	86	113	83
14:48:00	1091	32225	66	100	99	115	95	61	73	88	115	84
14:48:15	1112	32174	66	100	97	118	95	61	70	86	142	90
14:48:30	1096	32203	66	100	97	117	95	61	70	86	99	79
14:48:45	1096	32134	66	100	97	129	98	61	70	86	117	84
14:49:00	1109	32079	66	100	97	124	97	61	72	86	118	84
14:49:15	1098	32055	66	100	95	126	97	61	72	88	136	89
14:49:30	1099	31974	66	99	95	122	96	61	70	86	135	88
14:49:45	1109	32014	66	97	95	122	95	61	70	86	154	93
14:50:00	1112	31964	66	97	95	117	94	61	70	86	156	93
14:50:15	1107	31933	66	97	95	115	93	61	70	86	147	91
14:50:30	1097	32017	66	95	95	111	92	61	70	84	136	88
14:50:45	1116	31947	66	95	95	111	92	61	70	84	145	90
14:51:00	1118	31894	66	93	95	108	91	61	68	84	160	93
14:51:15	1107	31994	66	93	95	108	91	61	68	84	153	92
14:51:30	1109	31881	66	93	95	106	90	61	68	84	138	88
14:51:45	1097	31864	66	91	93	104	89	61	68	84	133	87

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14:52:00	1126	31782	66	91	93	104	89	61	68	82	135	87
14:52:15	1106	31865	66	91	91	102	88	61	68	82	135	87
14:52:30	1116	31742	66	91	91	102	88	61	66	82	138	87
14:52:45	1106	31739	66	90	91	100	87	61	68	82	138	87
14:53:00	1035	31772	66	90	90	102	87	61	68	81	136	87
14:53:15	1071	31769	66	90	90	104	88	61	68	81	124	84
14:53:30	1056	31723	66	91	88	109	89	61	68	81	145	89
14:53:45	1116	31661	66	90	88	113	89	61	68	81	129	85
14:54:00	1120	31655	66	90	88	109	88	61	68	79	131	85
14:54:15	1097	31660	66	90	88	106	88	61	68	79	136	86
14:54:30	1096	31671	64	88	86	108	87	61	68	79	135	86
14:54:45	1116	31659	64	88	86	102	85	61	68	81	131	85
14:55:00	1100	31655	66	88	86	104	86	59	68	79	131	84

## Yarmouth Research and Technology, LLC

### Leakage Summary for Burn and Cool Down Periods

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

External leakage was collected electronically.

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Test Duration:	60	minutes
Tank Water Loss:	2727	mls
System Relief Water Collected:	2730	mls
Calculated Water Loss:	0	mls
Average Leak Rate:	0	ml/min
Average Seal Circumference	42.0	inches
Allowable Leak Rate:	42.0	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

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Amount of Time of Average Cal. Block > 1200 deg.:	17.3	minutes
Minimum Allowable Time at Temperature:	15	minutes
Average Cal. Block Temperature During Burn:	1117	deg. F
Maximum Average Cal. Block Temperature During Burn:	1316	deg. F
Minimum Average Cal. Block Temperature During Burn:	82	deg. F
Average Flame Temperature During Burn:	1538	deg. F
Maximum Average Flame Temperature During Burn:	1600	deg. F
Minimum Average Flame Temperature During Burn:	103	deg. F

*Notes*

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

**Customer:** GPT Industries

**Date:** 7/19/2023

**Product Code:** 12 inch Class 600# Evolution Isolation Gasket with Reinforced PTFE ID Seal and Fire-Safe Inconel 718 C-Ring with Mica Insulating Washers, SS Backup Washers and Mica sleeves.

**Project Number:** 223094

System pressure was lowered to 0 and then repressurized.

## *Operational Test Raw Data*

<b>Time</b>	<b>Pressure (psig)</b>	<b>Average Block Temp-F</b>
15:00:49	1071	75
15:01:04	1071	75
15:01:19	1068	75
15:01:34	1064	75
15:01:49	1066	75
15:02:04	1063	77
15:02:19	1055	77
15:02:34	1046	77
15:02:49	1047	77
15:03:04	1042	77
15:03:19	1046	79
15:03:34	1044	79
15:03:49	1042	79
15:04:04	1051	79
15:04:19	1069	79
15:04:34	1067	79
15:04:49	1073	81
15:05:04	1087	81
15:05:19	1072	81
15:05:34	1071	81
15:05:49	1071	81

*Leakage was collected manually.*

Total External Leakage Collected Over 5 Minute Duration:	0	ml
Average Leak Rate Over 5 Minute Duration:	0	ml/min
Allowable Leak Rate:	42.0	ml/min

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