

**Fire Test Report**  
**API Standard 6FB, Third Edition**

*Performed for*

**FMI s.p.a.**

[www.fmi-spa.com](http://www.fmi-spa.com)



**6 inch Class 300 FM-HIGH<sup>®</sup> Gasket**

Project Number: 216057  
Test Date: March 1, 2016



*Performed by*

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**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

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# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

<b>Customer:</b>	FMI s.p.a.	<b>Date:</b>	3/1/2016
<b>Project Number:</b>	216057		
<b>Product Code:</b>	FM-HIGH Gasket 6 inch Class 300		
<b>Specification:</b>	API 6FB, Third Edition, Nov. 1998 Non-Bending, On-shore Test		
<b>Gasket Thickness:</b>	0.132	inches	
<b>Seal Area OD:</b>	8.500	<b>Seal Area ID:</b>	6.625 inches
<b>Mean Seal Diameter:</b>	7.563	inches	
<b>Mean Circumference:</b>	23.8	inches	
<b>Allowable Leakage:</b>	23.8	ml/min	
<b>Nominal Test Pressure:</b>	555	psig	
<b>YRT Technician:</b>	Matthew J. Wasielewski, P.E.		
	<b>Version of YRT's FIRE-Control 6FB Software: A</b>		
	<b>Equipment Confirmed to be in Calibration to NIST Standards: Yes</b>		

### *Burn and Cool Down Test*

Burn Start Time:	14:47:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	563	psig
Leak Rate During Burn/Cool Down:	0	ml/min
Allowable External Leak Rate:	23.8	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	21.8	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

### *Depressurization - Re-pressurization Test*

Average Pressure During Test:	551	psig
Gasket Leak Rate:	0	ml/min
Allowable External Leak Rate:	23.8	ml/min
Was the Leakage Below the Allowable?	Yes	
<b>Does the Gasket Pass or Fail API 6FB?</b>	<b>PASS</b>	

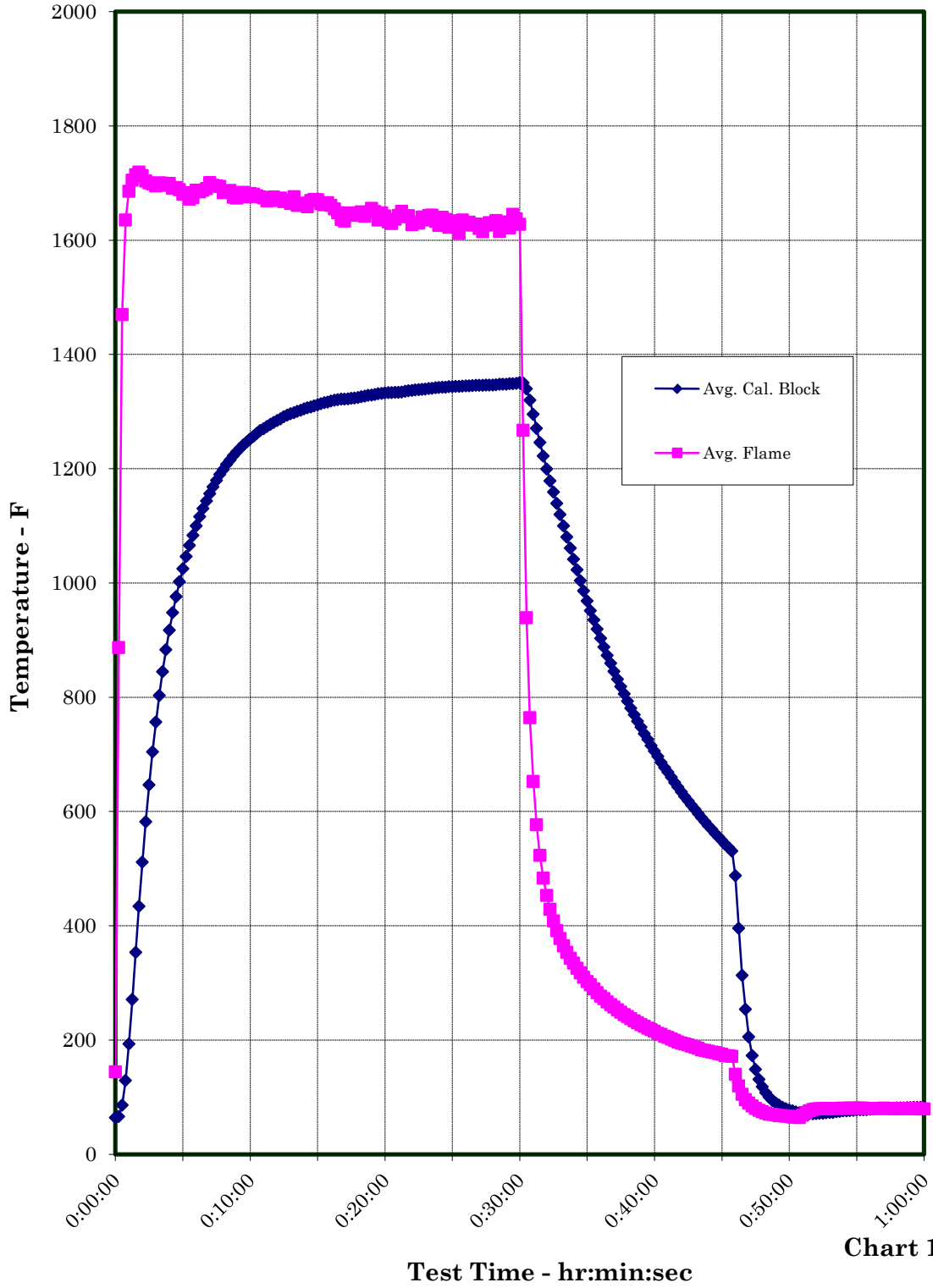
Certified By:



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



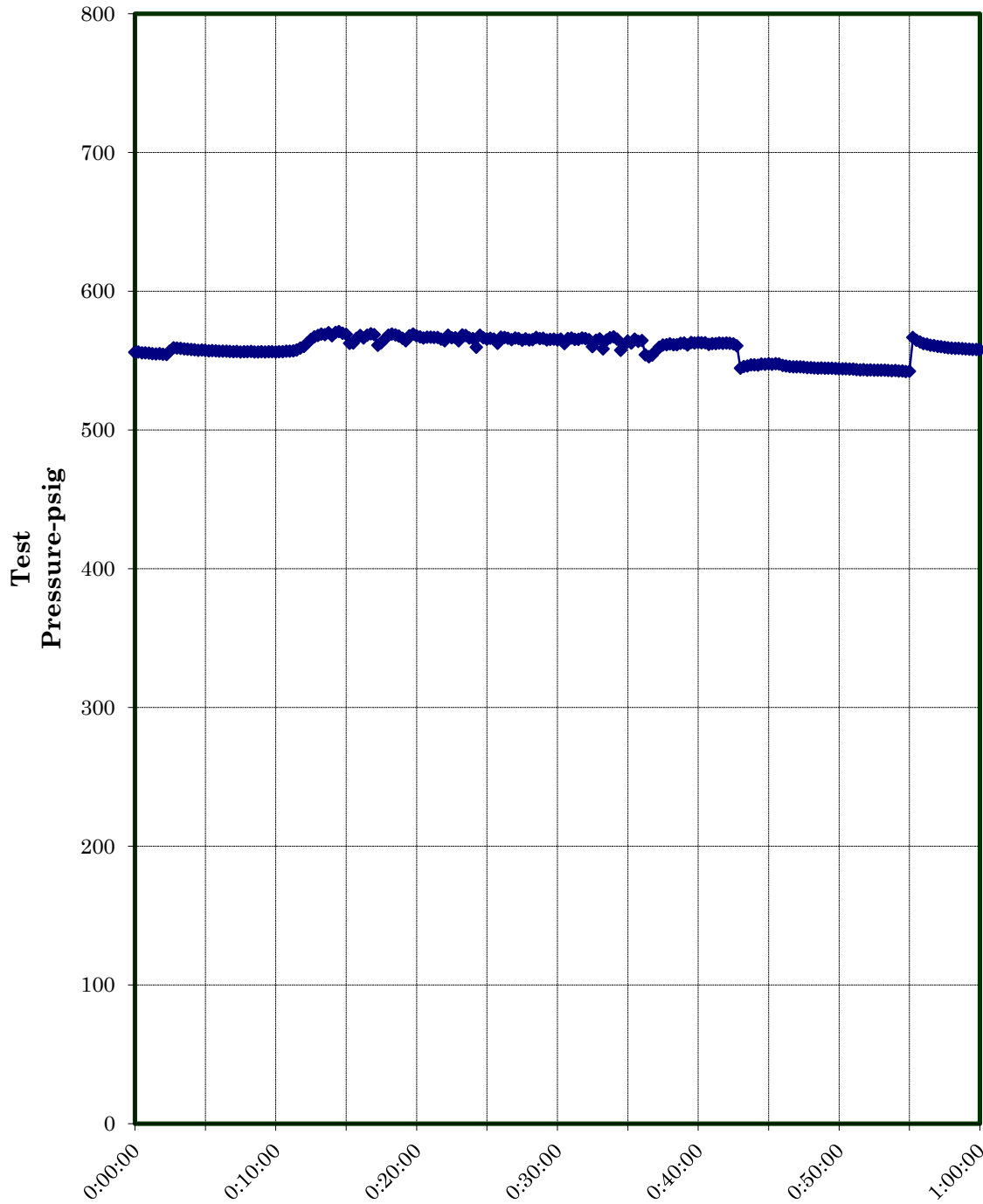
**Temperature verses Time Chart**



**Chart 1**

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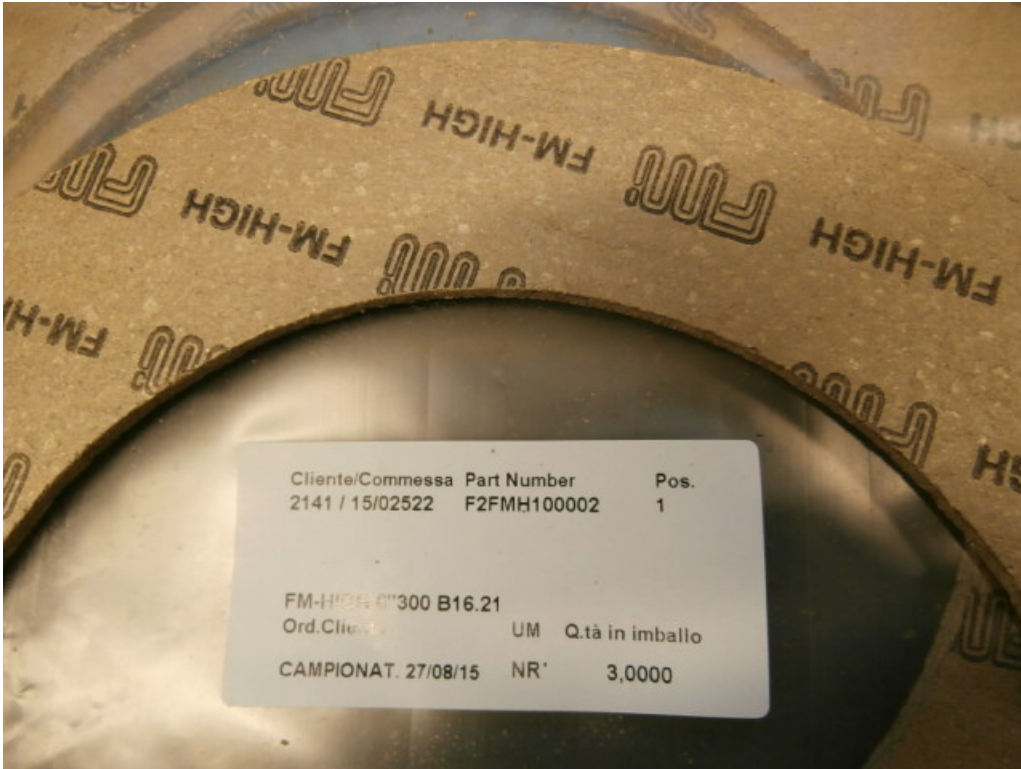
**Pressure versus Time Chart**



**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



Test Gasket During Burn



Test Gasket Post-Burn

## Yarmouth Research and Technology, LLC

### Fire Test Information

Customer: FMI s.p.a.

Date: 3/1/2016

Product Code: FM-HIGH Gasket 6 inch Class 300

Project Number: 216057

### Fire Test Raw Data

Time	Pressure (psig)	Water Volume (mls)	Cal. 1	Cal. 2	Cal. 3	Cal. 4	Average	Flame 1	Flame 2	Flame 3	Flame 4	Average
			Block	Block	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
14:47:00	556	40566	63	65	67	61	64	92	150	211	123	144
14:47:15	556	40556	65	68	69	62	66	911	826	922	888	887
14:47:30	556	40558	84	90	92	77	86	1489	1374	1455	1560	1470
14:47:45	556	40573	122	142	140	112	129	1660	1568	1630	1682	1635
14:48:00	555	40595	178	216	210	169	193	1703	1648	1681	1710	1686
14:48:15	555	40557	245	302	295	241	271	1703	1648	1746	1722	1705
14:48:30	555	40613	318	390	384	321	353	1700	1655	1766	1737	1715
14:48:45	555	40586	390	476	471	399	434	1715	1653	1764	1745	1719
14:49:00	555	40589	462	557	551	475	511	1715	1652	1739	1746	1713
14:49:15	554	40598	532	632	620	544	582	1681	1643	1743	1747	1704
14:49:30	557	40226	598	698	682	608	647	1671	1626	1756	1748	1700
14:49:45	559	40581	659	756	737	666	705	1641	1617	1778	1758	1699
14:50:00	559	40564	711	807	789	718	756	1612	1620	1783	1764	1695
14:50:15	559	40605	757	854	837	763	803	1629	1617	1786	1769	1700
14:50:30	558	40581	798	896	880	805	845	1644	1617	1770	1768	1700
14:50:45	558	40607	835	935	920	842	883	1633	1613	1771	1766	1696
14:51:00	558	40603	868	970	955	875	917	1663	1615	1751	1768	1699
14:51:15	558	40581	898	1003	986	905	948	1643	1617	1733	1770	1691
14:51:30	557	40623	927	1031	1014	932	976	1633	1610	1754	1772	1692
14:51:45	558	40624	951	1058	1042	957	1002	1666	1598	1712	1778	1689
14:52:00	557	40603	975	1081	1064	979	1025	1670	1597	1684	1771	1681
14:52:15	557	40595	996	1104	1085	1000	1046	1665	1600	1694	1773	1683
14:52:30	557	40608	1015	1124	1104	1019	1066	1650	1597	1661	1779	1672
14:52:45	557	40647	1033	1142	1122	1036	1083	1610	1602	1706	1781	1675
14:53:00	557	40678	1047	1159	1140	1053	1100	1619	1600	1746	1784	1687
14:53:15	557	40642	1060	1175	1160	1068	1116	1636	1588	1732	1782	1685
14:53:30	557	40669	1073	1189	1176	1083	1130	1648	1591	1718	1793	1688



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14:53:45	557	40657	1085	1203	1190	1096	1144	1651	1582	1734	1794	1690
14:54:00	556	40664	1097	1215	1204	1108	1156	1670	1584	1747	1801	1701
14:54:15	557	40675	1109	1226	1217	1120	1168	1655	1583	1752	1793	1696
14:54:30	556	40692	1120	1236	1229	1132	1179	1638	1581	1760	1801	1695
14:54:45	556	40691	1130	1245	1241	1143	1190	1650	1580	1747	1799	1694
14:55:00	556	40692	1138	1253	1251	1152	1199	1621	1578	1733	1800	1683
14:55:15	557	40736	1146	1261	1261	1161	1207	1631	1581	1726	1797	1684
14:55:30	556	40726	1154	1268	1269	1170	1215	1633	1580	1738	1797	1687
14:55:45	556	40720	1160	1275	1277	1178	1223	1568	1583	1744	1806	1675
14:56:00	556	40714	1165	1281	1285	1186	1229	1579	1581	1730	1804	1674
14:56:15	556	40738	1169	1287	1292	1193	1235	1588	1575	1756	1805	1681
14:56:30	556	40733	1174	1292	1300	1200	1242	1586	1583	1762	1804	1684
14:56:45	556	40765	1177	1297	1308	1206	1247	1582	1580	1741	1800	1676
14:57:00	556	40780	1181	1301	1315	1212	1252	1598	1577	1749	1803	1682
14:57:15	556	40759	1185	1305	1320	1218	1257	1616	1576	1726	1803	1680
14:57:30	556	40771	1189	1309	1326	1224	1262	1594	1581	1735	1799	1677
14:57:45	557	40785	1193	1313	1331	1229	1267	1583	1575	1742	1802	1676
14:58:00	557	40785	1195	1316	1336	1234	1270	1585	1576	1728	1807	1674
14:58:15	557	40823	1197	1320	1340	1239	1274	1568	1581	1723	1803	1669
14:58:30	558	40877	1200	1323	1344	1243	1278	1578	1582	1711	1806	1669
14:58:45	559	40859	1202	1325	1349	1248	1281	1595	1586	1724	1798	1676
14:59:00	560	41040	1205	1328	1353	1251	1284	1584	1589	1713	1796	1671
14:59:15	563	41123	1207	1332	1355	1255	1287	1583	1587	1722	1803	1674
14:59:30	565	41307	1210	1334	1360	1259	1291	1539	1590	1735	1805	1667
14:59:45	567	41394	1212	1337	1363	1263	1294	1563	1584	1722	1808	1669
15:00:00	568	41965	1213	1338	1366	1267	1296	1542	1590	1716	1809	1664
15:00:15	569	42331	1214	1340	1369	1269	1298	1567	1590	1735	1812	1676
15:00:30	569	42510	1215	1342	1372	1273	1301	1540	1588	1711	1804	1661
15:00:45	570	42059	1215	1344	1375	1275	1302	1550	1597	1716	1796	1665
15:01:00	568	40737	1216	1345	1378	1279	1305	1534	1596	1724	1802	1664
15:01:15	570	41295	1217	1347	1380	1282	1307	1517	1598	1719	1799	1658
15:01:30	571	41220	1216	1348	1383	1285	1308	1535	1601	1738	1803	1669
15:01:45	570	41620	1217	1349	1386	1288	1310	1539	1603	1734	1809	1671
15:02:00	569	41695	1218	1351	1389	1290	1312	1539	1600	1739	1806	1671
15:02:15	562	41063	1219	1352	1391	1293	1314	1527	1598	1728	1802	1664
15:02:30	563	41408	1219	1353	1394	1296	1316	1522	1595	1725	1806	1662
15:02:45	566	41828	1219	1355	1395	1298	1317	1538	1598	1719	1808	1666
15:03:00	568	42671	1220	1356	1397	1300	1318	1527	1598	1715	1803	1661

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15:03:15	566	40854	1221	1357	1399	1302	1320	1530	1596	1695	1798	1655
15:03:30	568	40687	1221	1358	1400	1304	1321	1485	1596	1711	1801	1648
15:03:45	569	40835	1219	1359	1402	1307	1322	1474	1587	1685	1799	1636
15:04:00	569	41694	1218	1359	1402	1308	1322	1473	1590	1667	1804	1634
15:04:15	561	41576	1216	1360	1403	1310	1322	1516	1584	1686	1804	1648
15:04:30	563	41412	1215	1361	1404	1313	1323	1512	1582	1682	1807	1646
15:04:45	565	40921	1215	1361	1404	1315	1324	1485	1585	1695	1809	1644
15:05:00	568	41374	1214	1362	1406	1317	1325	1482	1591	1712	1806	1648
15:05:15	569	42968	1213	1363	1409	1319	1326	1454	1595	1740	1808	1649
15:05:30	569	41544	1211	1364	1412	1321	1327	1435	1596	1729	1807	1642
15:05:45	568	41735	1209	1365	1416	1323	1328	1461	1599	1728	1807	1649
15:06:00	566	41575	1207	1366	1417	1325	1329	1479	1598	1738	1807	1656
15:06:15	564	41665	1207	1367	1419	1327	1330	1491	1602	1707	1799	1650
15:06:30	568	41297	1206	1368	1420	1330	1331	1435	1603	1702	1800	1635
15:06:45	569	42132	1205	1370	1420	1331	1332	1476	1603	1705	1806	1648
15:07:00	568	41705	1205	1371	1421	1333	1333	1456	1603	1714	1796	1642
15:07:15	567	41674	1203	1372	1423	1335	1333	1446	1606	1678	1798	1632
15:07:30	566	41681	1201	1373	1422	1337	1333	1432	1600	1690	1794	1629
15:07:45	567	41650	1198	1374	1423	1339	1334	1428	1600	1718	1800	1637
15:08:00	567	41674	1196	1374	1424	1340	1334	1440	1603	1734	1797	1644
15:08:15	567	41701	1194	1375	1425	1343	1334	1446	1608	1745	1802	1650
15:08:30	567	41681	1193	1376	1428	1345	1336	1433	1600	1732	1798	1641
15:08:45	565	41662	1193	1377	1428	1348	1337	1463	1605	1708	1796	1643
15:09:00	564	41613	1192	1377	1428	1351	1337	1380	1608	1723	1797	1627
15:09:15	568	41890	1191	1378	1430	1352	1338	1399	1610	1722	1795	1632
15:09:30	566	41680	1189	1379	1432	1354	1339	1397	1611	1717	1795	1630
15:09:45	567	41651	1186	1380	1433	1356	1339	1427	1612	1727	1795	1640
15:10:00	564	41343	1185	1381	1434	1358	1340	1397	1612	1736	1796	1635
15:10:15	568	42598	1184	1382	1435	1359	1340	1425	1612	1739	1798	1644
15:10:30	568	42027	1183	1383	1436	1361	1341	1439	1612	1728	1796	1644
15:10:45	566	41651	1183	1384	1437	1363	1342	1407	1612	1722	1790	1633
15:11:00	566	41678	1181	1385	1438	1365	1342	1385	1610	1712	1796	1626
15:11:15	560	39351	1179	1385	1439	1367	1343	1408	1619	1740	1793	1640
15:11:30	568	42421	1177	1386	1439	1369	1343	1413	1614	1730	1788	1636
15:11:45	567	41697	1176	1388	1440	1371	1344	1361	1615	1717	1796	1622
15:12:00	566	41667	1174	1388	1440	1373	1344	1417	1616	1715	1787	1634
15:12:15	566	41644	1172	1389	1440	1375	1344	1407	1613	1719	1788	1632
15:12:30	566	41709	1170	1390	1440	1377	1344	1327	1612	1721	1788	1612

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15:12:45	562	41243	1169	1391	1440	1378	1345	1411	1613	1723	1793	1635
15:13:00	567	42793	1167	1391	1440	1381	1345	1368	1616	1738	1788	1628
15:13:15	567	41745	1165	1392	1440	1382	1345	1385	1620	1735	1786	1632
15:13:30	566	41679	1164	1393	1441	1384	1346	1374	1617	1726	1788	1626
15:13:45	565	41689	1163	1394	1440	1386	1346	1392	1614	1718	1789	1628
15:14:00	566	41745	1161	1394	1441	1388	1346	1356	1617	1721	1788	1621
15:14:15	566	41729	1159	1395	1441	1389	1346	1329	1614	1725	1791	1615
15:14:30	565	41704	1157	1396	1441	1391	1346	1385	1615	1715	1789	1626
15:14:45	566	41723	1155	1396	1441	1393	1346	1381	1622	1725	1793	1630
15:15:00	565	41642	1153	1397	1441	1395	1347	1370	1621	1726	1792	1627
15:15:15	565	41603	1152	1398	1441	1397	1347	1403	1621	1711	1803	1635
15:15:30	567	41108	1151	1398	1442	1400	1348	1351	1610	1712	1789	1616
15:15:45	566	41697	1150	1400	1440	1401	1348	1393	1610	1727	1797	1632
15:16:00	566	41706	1150	1400	1439	1402	1348	1381	1614	1725	1800	1630
15:16:15	565	41689	1149	1401	1441	1404	1349	1357	1616	1716	1796	1621
15:16:30	565	41700	1148	1402	1440	1406	1349	1446	1617	1722	1795	1645
15:16:45	565	41699	1147	1402	1440	1408	1349	1392	1624	1732	1800	1637
15:17:00	565	41498	1147	1403	1442	1410	1351	1368	1622	1720	1800	1628
15:17:15	565	41689	1146	1403	1440	1412	1350	1068	1382	1309	1309	1267
15:17:30	562	41383	1137	1397	1421	1404	1340	809	1000	975	973	939
15:17:45	566	42633	1121	1380	1391	1387	1320	672	790	782	813	764
15:18:00	566	41722	1101	1359	1358	1363	1295	579	660	654	718	653
15:18:15	565	41681	1080	1337	1327	1339	1271	513	575	562	657	577
15:18:30	565	41678	1058	1315	1295	1315	1246	465	515	496	617	523
15:18:45	566	43483	1037	1294	1266	1292	1222	427	474	444	588	483
15:19:00	566	41714	1016	1273	1239	1270	1200	401	442	402	567	453
15:19:15	565	41688	996	1253	1214	1252	1179	378	418	370	548	429
15:19:30	560	41856	977	1234	1192	1234	1159	359	399	343	533	409
15:19:45	565	41906	958	1216	1170	1213	1139	345	380	321	520	392
15:20:00	566	40468	940	1201	1147	1191	1120	332	366	302	510	378
15:20:15	558	40393	923	1185	1123	1169	1100	321	353	286	498	365
15:20:30	565	42017	906	1169	1099	1147	1080	310	344	273	486	353
15:20:45	566	42950	890	1151	1076	1126	1061	301	335	261	475	343
15:21:00	567	41993	875	1133	1053	1105	1042	294	328	249	466	334
15:21:15	565	41750	860	1114	1032	1085	1023	287	319	241	454	325
15:21:30	557	40929	845	1096	1010	1065	1004	280	315	232	442	317
15:21:45	561	41154	831	1078	990	1045	986	273	309	226	430	310
15:22:00	564	40915	818	1060	970	1026	969	267	300	218	423	302

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15:22:15	563	41018	805	1042	951	1007	951	262	296	212	415	296
15:22:30	565	42907	792	1025	933	990	935	258	288	207	404	289
15:22:45	564	40939	780	1008	915	973	919	253	282	201	395	283
15:23:00	565	41491	768	991	897	956	903	247	276	197	386	277
15:23:15	554	41277	756	975	881	940	888	244	272	192	380	272
15:23:30	553	41006	745	959	864	924	873	239	267	187	374	267
15:23:45	554	41345	734	944	850	909	859	236	261	182	368	262
15:24:00	557	41332	723	929	834	894	845	234	256	178	362	258
15:24:15	560	41537	713	914	820	879	832	230	251	175	355	253
15:24:30	561	41667	703	900	806	865	819	226	249	172	348	249
15:24:45	561	41178	693	886	792	852	806	222	245	170	340	244
15:25:00	562	41486	683	872	778	839	793	219	242	167	336	241
15:25:15	561	41930	674	859	765	825	781	216	239	164	330	237
15:25:30	561	40800	665	846	753	813	769	213	235	161	325	234
15:25:45	562	41287	656	834	741	801	758	209	232	159	320	230
15:26:00	563	41145	647	822	730	790	747	207	229	156	314	227
15:26:15	561	41137	639	810	718	778	736	204	226	154	311	224
15:26:30	563	41850	631	798	707	768	726	201	221	153	308	221
15:26:45	563	42297	623	787	696	755	715	199	220	150	304	218
15:27:00	563	42322	615	776	686	745	706	196	217	149	299	215
15:27:15	563	41249	607	766	676	735	696	193	213	147	293	212
15:27:30	563	42211	600	755	665	724	686	193	212	145	288	210
15:27:45	562	41290	593	745	656	714	677	190	208	143	285	207
15:28:00	562	41116	586	735	647	706	669	188	207	141	281	204
15:28:15	562	41363	579	725	638	697	660	186	204	140	277	202
15:28:30	563	42087	572	715	629	687	651	183	203	139	271	199
15:28:45	562	41423	565	706	620	679	643	182	200	137	267	197
15:29:00	563	41630	558	697	612	670	634	180	197	135	265	194
15:29:15	562	41687	552	688	604	661	626	179	196	135	262	193
15:29:30	562	41670	546	679	596	653	619	178	194	133	260	191
15:29:45	561	41617	540	670	588	646	611	176	192	132	257	189
15:30:00	545	40874	534	662	581	638	604	174	190	131	254	187
15:30:15	546	40868	528	653	574	630	596	172	188	131	250	185
15:30:30	546	40882	522	645	567	623	589	169	185	129	247	183
15:30:45	547	40823	516	637	559	616	582	169	184	128	245	182
15:31:00	547	40833	511	629	552	608	575	168	182	128	242	180
15:31:15	547	40849	505	622	546	601	569	167	181	126	241	179
15:31:30	548	40869	500	614	539	594	562	167	180	125	240	178

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15:31:45	547	40865	495	607	533	587	556	167	176	123	238	176
15:32:00	548	40837	490	600	526	580	549	167	175	123	235	175
15:32:15	547	40817	485	593	520	573	543	166	172	121	232	173
15:32:30	548	40821	480	586	514	567	537	165	172	120	231	172
15:32:45	547	40821	475	579	508	561	531	158	172	144	211	171
15:33:00	547	40789	422	520	471	537	488	101	116	166	177	140
15:33:15	546	40770	340	394	392	456	396	83	96	146	153	120
15:33:30	546	40754	274	287	323	368	313	75	84	128	132	105
15:33:45	546	40729	227	215	274	299	254	72	78	117	115	96
15:34:00	545	40708	186	160	228	248	206	72	76	106	104	90
15:34:15	545	40730	158	128	196	209	173	69	73	97	98	84
15:34:30	545	40674	137	107	170	180	149	67	71	92	90	80
15:34:45	545	40719	120	94	151	159	131	66	70	86	85	77
15:35:00	545	40686	108	86	135	143	118	65	68	83	81	74
15:35:15	545	40714	99	80	121	131	108	64	68	77	79	72
15:35:30	545	40684	92	76	112	121	100	63	67	76	75	70
15:35:45	545	40694	86	73	104	114	94	63	66	75	75	70
15:36:00	544	40688	81	71	98	108	90	63	66	73	73	69
15:36:15	545	40692	78	69	93	103	86	62	65	71	72	68
15:36:30	544	40681	75	68	87	99	82	63	64	71	72	68
15:36:45	544	40690	72	67	84	96	80	63	64	69	70	67
15:37:00	544	40664	71	66	81	92	78	62	64	69	70	66
15:37:15	544	40672	69	65	79	90	76	61	63	67	69	65
15:37:30	544	40667	67	65	77	87	74	61	63	67	69	65
15:37:45	544	40675	67	64	74	85	73	61	62	65	68	64
15:38:00	544	40671	66	64	73	84	72	66	66	68	73	68
15:38:15	543	40662	65	63	72	82	71	71	70	74	77	73
15:38:30	543	40685	65	64	72	83	71	76	70	79	79	76
15:38:45	544	40677	65	64	71	83	71	79	70	83	81	78
15:39:00	543	40664	65	65	72	83	71	80	70	84	82	79
15:39:15	543	40682	65	65	73	84	72	81	71	85	82	80
15:39:30	543	40669	65	65	72	85	72	81	71	85	82	80
15:39:45	543	40676	66	66	73	86	73	80	72	85	82	80
15:40:00	543	40669	67	67	73	85	73	81	72	84	82	80
15:40:15	543	40652	67	67	73	86	73	81	73	84	82	80
15:40:30	543	40674	68	68	74	87	74	81	73	84	82	80
15:40:45	543	40669	69	69	74	87	75	82	74	83	82	80
15:41:00	543	40668	70	69	76	88	76	82	74	84	82	81

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15:41:15	542	40674	70	70	75	89	76	81	74	84	82	80
15:41:30	543	40656	71	70	76	89	77	81	75	84	82	81
15:41:45	542	40648	72	71	76	89	77	81	75	85	82	81
15:42:00	542	40666	72	71	77	89	77	81	75	84	82	81
15:42:15	567	40634	72	72	77	90	78	81	76	84	81	81
15:42:30	565	40630	73	72	77	90	78	81	76	83	82	81
15:42:45	564	40620	73	72	77	90	78	80	76	84	81	80
15:43:00	562	40597	74	73	78	90	79	80	76	83	82	80
15:43:15	562	40619	74	73	78	91	79	80	76	84	81	80
15:43:30	561	40630	75	74	79	92	80	80	76	83	81	80
15:43:45	561	40617	76	74	79	92	80	79	77	84	81	80
15:44:00	560	40638	75	74	79	92	80	80	77	84	81	81
15:44:15	560	40580	76	74	79	92	80	79	77	84	81	80
15:44:30	560	40588	76	75	79	92	81	79	77	84	81	80
15:44:45	559	40666	77	75	79	92	81	79	77	83	80	80
15:45:00	559	40624	77	75	80	93	81	79	77	82	81	80
15:45:15	559	40602	77	76	80	92	81	79	78	83	81	80
15:45:30	559	40610	77	76	80	92	81	78	77	83	80	80
15:45:45	559	40621	78	76	80	92	82	79	78	83	81	80
15:46:00	558	40613	78	76	80	93	82	78	78	83	81	80
15:46:15	558	40617	78	77	80	93	82	78	78	83	80	80
15:46:30	558	40611	78	77	81	93	82	78	78	83	81	80
15:46:45	558	40621	79	77	80	93	82	78	77	82	80	79
15:47:00	558	40611	79	77	81	93	83	77	78	82	80	79

## 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:	-45	mls
System Relief Water Collected:	0	mls
Calculated Water Loss:	0	mls
Average Leak Rate:	0	ml/min
Average Seal Circumference	23.8	inches
Allowable Leak Rate:	23.8	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

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Amount of Time of Average Cal. Block > 1200 deg.:	21.8	minutes
Minimum Allowable Time at Temperature:	15	minutes
Average Cal. Block Temperature During Burn:	1167	deg. F
Maximum Average Cal. Block Temperature During Burn:	1349	deg. F
Minimum Average Cal. Block Temperature During Burn:	64	deg. F
Average Flame Temperature During Burn:	1639	deg. F
Maximum Average Flame Temperature During Burn:	1719	deg. F
Minimum Average Flame Temperature During Burn:	144	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

## Depressurization - Repressurization Test Information

Customer: FMI s.p.a.

Date: 3/1/2016

Product Code: FM-HIGH Gasket 6 inch Class 300

Project Number: 216057

System pressure was lowered to 0 and then repressurized.

### *Operational Test Raw Data*

Time	Pressure (psig)	Average Block Temp-F
15:50:21	551	80
15:50:36	551	80
15:50:51	551	80
15:51:06	551	81
15:51:21	551	81
15:51:36	551	81
15:51:51	551	81
15:52:06	551	82
15:52:21	551	81
15:52:36	551	81
15:52:51	551	80
15:53:06	551	81
15:53:21	551	81
15:53:36	550	81
15:53:51	550	81
15:54:06	550	80
15:54:21	550	80
15:54:36	550	81
15:54:51	550	81
15:55:06	550	81
15:55:21	550	81

*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:	23.8	ml/min

Was the Leakage Below the Allowable?	Yes
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