

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

*Performed for*

**Environmental Gasket Company LTD.**

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



**6 inch Class 300**  
**Fishbone Gasket**

Project Number: 213270  
Test Date: November 7, 2013



*Performed by*

---

**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

434 Walnut Hill Road  
North Yarmouth, ME 04097 USA  
(207) 829-5359

[info@yarmouthresearch.com](mailto:info@yarmouthresearch.com)  
[www.yarmouthresearch.com](http://www.yarmouthresearch.com)

# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

<b>Customer:</b>	Environmental Gasket Company	<b>Date:</b>	11/7/2013
<b>Project Number:</b>	213270		
<b>Product Description:</b>	6 inch Class 300 Fishbone Gasket		
<b>Specification:</b>	API 6FB, Third Edition, Nov. 1998 Non-Bending, On-shore or Open-offshore Test		
<b>Seal Area OD:</b>	8.375	<b>Seal Area ID:</b>	7.00 inches
<b>Mean Seal Diameter:</b>	7.69		inches
<b>Mean Circumference:</b>	24.15		inches
<b>Allowable Leakage:</b>	24.15		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:	0:00:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	555	psig
Leak Rate During Burn/Cool Down:	0.5	ml/min
Allowable External Leak Rate:	24.2	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	17.8	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

### *Depressurization - Re-pressurization Test*

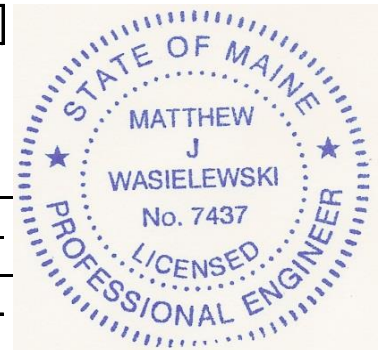
Average Pressure During Test:	552	psig
Gasket Leak Rate:	0.0	ml/min
Allowable External Leak Rate:	24.2	ml/min
Was the Leakage Below the Allowable?	Yes	

<b>Does the Gasket Pass or Fail API 6FB?</b>	<b>PASS</b>
--	-------------

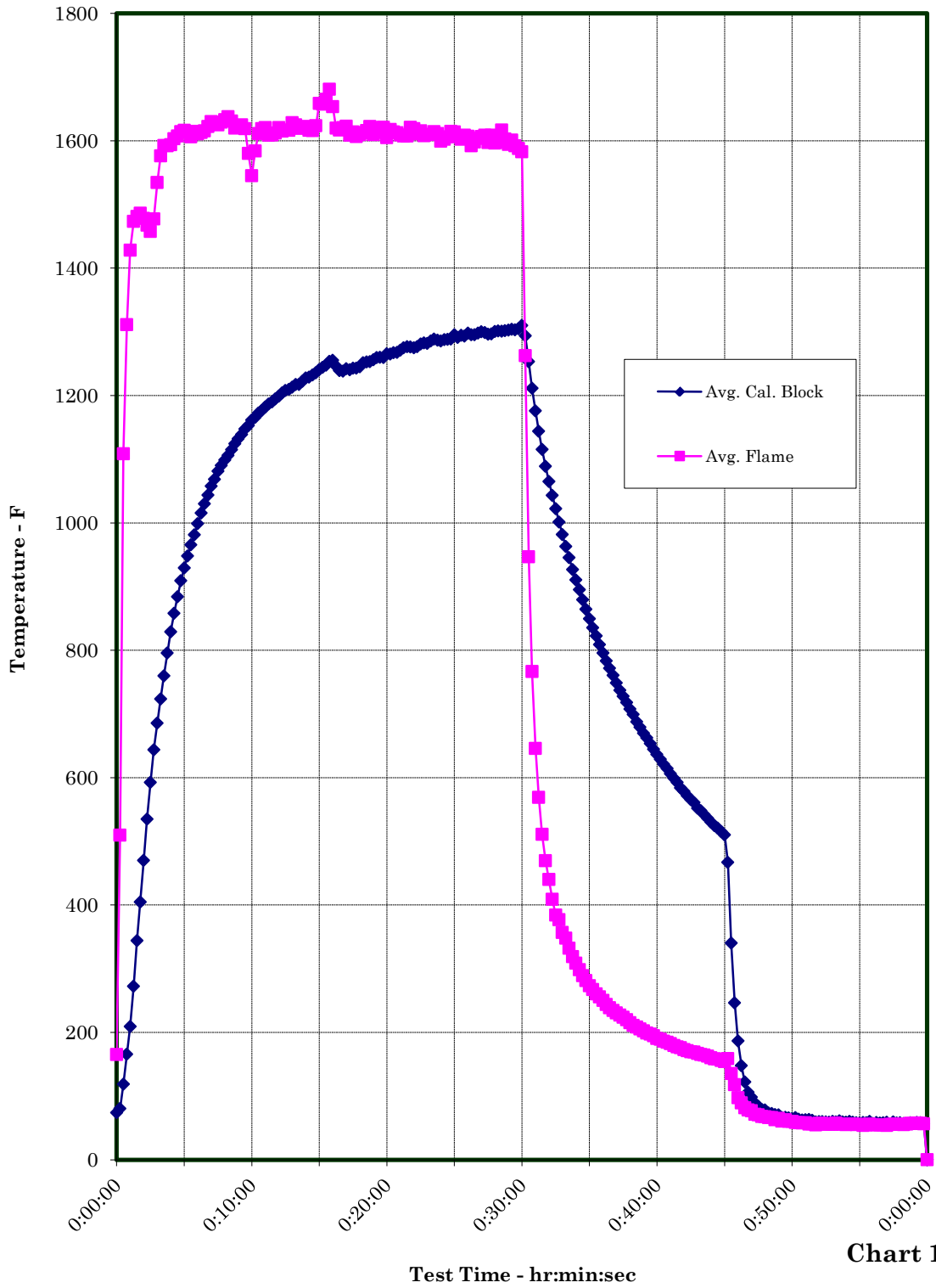
Witnesses

Matthew J. Wasielewski

Note:



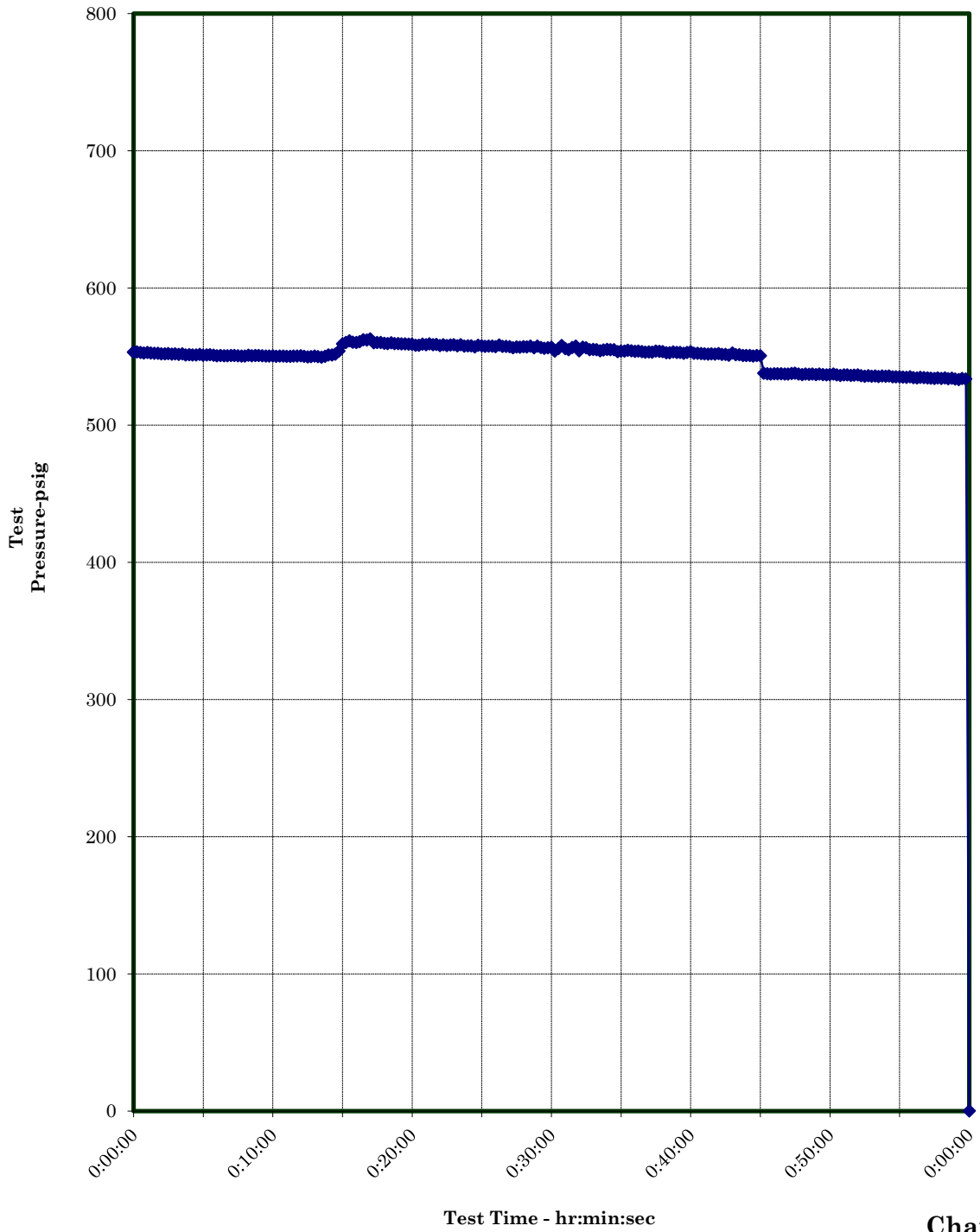
**Temperature verses Time Chart**



**Chart 1**

# Yarmouth Research and Technology, LLC

**Pressure verses Time Chart**



**Chart 2**

Yarmouth Research and Technology, LLC



Test Gasket Prior to Burn





Test Gasket Setup Prior to Burn



Test Gasket During Burn

## Yarmouth Research and Technology, LLC

### Fire Test Information

**Customer:** Environmental Gasket Company LTD.

**Date:** 11/7/2013

**Product Code:** 6 inch Class 300 Fishbone Gasket

**Project Number:** 213270

### *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
			Temp - F	Temp - F	Temp - F	Temp - F		Temp - F	Temp - F	Temp - F	Temp - F	
13:40:00	553	31722	68	66	83	79	74	223	118	213	106	165
13:40:15	553	31644	74	66	100	81	80	922	339	505	272	510
13:40:30	553	31716	124	91	162	97	119	1439	1126	1052	817	1109
13:40:45	553	31719	188	137	203	134	166	1563	1268	1285	1128	1311
13:41:00	553	31751	213	185	249	190	209	1599	1470	1422	1222	1428
13:41:15	553	31762	273	249	318	250	273	1621	1561	1431	1280	1473
13:41:30	552	31721	346	318	397	315	344	1606	1532	1496	1290	1481
13:41:45	552	31722	415	374	454	375	405	1601	1463	1509	1372	1486
13:42:00	552	31737	480	425	546	428	470	1580	1297	1547	1488	1478
13:42:15	552	31730	536	475	660	469	535	1569	1203	1587	1510	1467
13:42:30	552	31730	585	516	759	510	593	1571	1159	1554	1547	1458
13:42:45	552	31693	631	560	840	544	644	1580	1234	1543	1552	1477
13:43:00	552	31723	671	606	894	571	686	1575	1439	1573	1550	1534
13:43:15	552	31710	709	649	934	602	724	1572	1593	1569	1571	1576
13:43:30	552	31784	743	694	972	630	760	1571	1646	1553	1600	1593
13:43:45	551	31741	776	735	1012	659	796	1576	1666	1532	1595	1592
13:44:00	551	31719	807	772	1052	685	829	1577	1642	1535	1621	1594
13:44:15	551	31741	836	803	1081	712	858	1568	1653	1567	1624	1603
13:44:30	551	31748	862	828	1105	740	884	1575	1674	1548	1632	1607
13:44:45	551	31720	888	863	1124	761	909	1582	1668	1569	1638	1614
13:45:00	551	31772	912	883	1141	780	929	1580	1678	1574	1634	1617
13:45:15	551	31740	934	905	1157	796	948	1579	1660	1560	1654	1613
13:45:30	551	31736	953	926	1167	816	966	1574	1653	1560	1638	1606
13:45:45	551	31687	974	936	1180	835	981	1576	1652	1576	1655	1615
13:46:00	551	31779	991	956	1193	855	999	1575	1653	1568	1648	1611
13:46:15	551	31760	1008	976	1209	869	1016	1574	1665	1548	1665	1613
13:46:30	550	31788	1022	988	1223	887	1030	1582	1645	1560	1675	1616



## Yarmouth Research and Technology, LLC

13:46:45	551	31738	1037	1010	1233	895	1044	1592	1669	1551	1677	1622
13:47:00	551	31815	1052	1020	1249	909	1058	1598	1678	1567	1678	1630
13:47:15	551	31732	1065	1034	1252	923	1069	1595	1684	1558	1671	1627
13:47:30	550	31774	1077	1051	1262	935	1081	1594	1685	1554	1667	1625
13:47:45	550	31821	1088	1062	1266	945	1090	1587	1679	1574	1676	1629
13:48:00	550	31764	1096	1075	1269	955	1099	1592	1695	1581	1664	1633
13:48:15	551	31728	1108	1090	1264	961	1106	1605	1690	1601	1655	1638
13:48:30	550	31810	1119	1098	1276	966	1115	1598	1689	1582	1655	1631
13:48:45	551	31804	1126	1113	1284	974	1124	1594	1639	1581	1666	1620
13:49:00	551	31826	1135	1118	1291	984	1132	1599	1673	1557	1654	1621
13:49:15	550	31820	1145	1124	1301	985	1139	1605	1700	1518	1676	1625
13:49:30	550	31839	1152	1137	1308	992	1147	1616	1689	1518	1652	1619
13:49:45	550	31845	1158	1145	1312	997	1153	1621	1676	1403	1620	1580
13:50:00	551	31944	1163	1154	1318	1010	1161	1615	1699	1244	1623	1545
13:50:15	550	31833	1170	1161	1323	1009	1166	1633	1692	1407	1604	1584
13:50:30	550	31767	1174	1171	1330	1015	1173	1614	1686	1513	1632	1611
13:50:45	550	31844	1180	1177	1331	1018	1177	1605	1679	1525	1667	1619
13:51:00	550	31850	1188	1182	1337	1021	1182	1624	1697	1498	1663	1621
13:51:15	550	31843	1192	1186	1344	1024	1187	1614	1677	1473	1671	1609
13:51:30	550	31864	1197	1193	1342	1028	1190	1621	1678	1457	1681	1609
13:51:45	550	31845	1202	1199	1344	1034	1195	1619	1682	1492	1655	1612
13:52:00	551	31863	1209	1203	1350	1034	1199	1628	1709	1485	1661	1621
13:52:15	550	31867	1213	1210	1354	1040	1204	1619	1711	1476	1654	1615
13:52:30	550	31844	1215	1214	1358	1044	1208	1623	1702	1478	1665	1617
13:52:45	550	31868	1220	1219	1357	1043	1210	1644	1679	1499	1644	1617
13:53:00	550	31873	1224	1222	1359	1047	1213	1644	1690	1549	1631	1629
13:53:15	550	31955	1227	1228	1359	1056	1218	1631	1705	1527	1636	1625
13:53:30	550	31911	1229	1227	1361	1053	1218	1639	1693	1489	1656	1619
13:53:45	550	31924	1231	1237	1366	1055	1222	1624	1686	1496	1680	1622
13:54:00	551	31882	1238	1240	1371	1061	1228	1636	1692	1495	1666	1622
13:54:15	551	31923	1240	1239	1373	1064	1229	1636	1708	1460	1662	1617
13:54:30	552	31939	1246	1243	1374	1066	1232	1635	1699	1467	1663	1616
13:54:45	554	32089	1247	1248	1377	1070	1236	1628	1697	1486	1684	1624
13:55:00	559	32486	1254	1253	1382	1074	1241	1618	1683	1617	1717	1659
13:55:15	560	32488	1254	1252	1391	1079	1244	1629	1679	1604	1718	1658
13:55:30	561	32619	1254	1252	1397	1087	1248	1649	1694	1647	1670	1665
13:55:45	560	32872	1263	1259	1400	1093	1254	1634	1701	1686	1703	1681
13:56:00	560	32460	1260	1265	1398	1099	1256	1636	1655	1671	1652	1654

## Yarmouth Research and Technology, LLC

13:56:15	561	31942	1262	1263	1350	1109	1246	1632	1596	1679	1572	1620
13:56:30	562	32586	1265	1265	1312	1114	1239	1630	1598	1681	1558	1617
13:56:45	562	32361	1264	1265	1303	1121	1238	1637	1600	1692	1554	1621
13:57:00	563	33181	1273	1269	1299	1127	1242	1645	1610	1672	1565	1623
13:57:15	560	32691	1270	1268	1295	1128	1240	1643	1582	1659	1551	1609
13:57:30	560	32671	1276	1273	1287	1136	1243	1647	1582	1662	1564	1614
13:57:45	560	32685	1278	1272	1279	1143	1243	1646	1569	1651	1560	1607
13:58:00	560	32690	1279	1272	1282	1147	1245	1645	1573	1663	1557	1610
13:58:15	559	32669	1287	1277	1288	1154	1252	1652	1581	1669	1549	1613
13:58:30	560	32714	1284	1279	1293	1155	1253	1660	1591	1666	1546	1616
13:58:45	559	32695	1285	1281	1290	1157	1253	1651	1606	1679	1554	1623
13:59:00	559	32699	1286	1285	1289	1165	1256	1653	1580	1657	1549	1610
13:59:15	559	32686	1291	1288	1290	1170	1260	1657	1582	1662	1551	1613
13:59:30	559	32681	1293	1286	1289	1172	1260	1658	1599	1676	1550	1621
13:59:45	559	32767	1294	1289	1282	1174	1260	1651	1606	1679	1549	1621
14:00:00	559	32711	1302	1294	1288	1179	1266	1648	1561	1664	1547	1605
14:00:15	558	32674	1296	1289	1294	1182	1265	1655	1591	1668	1556	1618
14:00:30	558	32609	1297	1291	1299	1182	1267	1652	1592	1661	1550	1614
14:00:45	559	32722	1299	1294	1294	1184	1268	1660	1602	1652	1536	1613
14:01:00	559	32716	1301	1299	1295	1190	1271	1664	1582	1642	1548	1609
14:01:15	559	32787	1302	1300	1306	1192	1275	1661	1599	1645	1525	1608
14:01:30	559	32701	1303	1299	1307	1197	1277	1656	1585	1667	1522	1608
14:01:45	559	32720	1306	1304	1297	1198	1276	1662	1596	1679	1548	1621
14:02:00	558	32670	1307	1298	1297	1197	1275	1663	1588	1686	1538	1619
14:02:15	559	32773	1306	1298	1306	1197	1277	1661	1591	1653	1538	1611
14:02:30	558	32717	1309	1300	1310	1205	1281	1668	1601	1672	1521	1616
14:02:45	558	32702	1316	1300	1309	1206	1283	1673	1579	1659	1521	1608
14:03:00	559	32705	1312	1302	1304	1209	1282	1667	1588	1653	1530	1610
14:03:15	558	32719	1315	1304	1310	1214	1286	1662	1584	1652	1542	1610
14:03:30	559	32710	1318	1308	1309	1220	1289	1668	1560	1685	1544	1614
14:03:45	558	32711	1321	1307	1306	1214	1287	1667	1582	1672	1524	1611
14:04:00	558	32735	1316	1305	1308	1213	1286	1663	1572	1640	1522	1599
14:04:15	558	32680	1321	1307	1306	1217	1288	1666	1574	1634	1536	1603
14:04:30	557	32714	1321	1306	1305	1221	1288	1667	1582	1650	1525	1606
14:04:45	558	32774	1318	1304	1308	1224	1289	1677	1611	1639	1532	1615
14:05:00	558	32759	1328	1315	1313	1225	1295	1681	1611	1630	1533	1614
14:05:15	557	32705	1317	1307	1314	1227	1291	1666	1605	1641	1515	1607
14:05:30	558	32693	1325	1308	1316	1229	1295	1675	1590	1642	1503	1603

## Yarmouth Research and Technology, LLC

14:05:45	558	32702	1321	1303	1316	1233	1293	1669	1603	1643	1520	1609
14:06:00	557	32699	1324	1309	1314	1245	1298	1669	1577	1659	1523	1607
14:06:15	558	32773	1322	1305	1312	1242	1295	1667	1575	1628	1499	1592
14:06:30	557	32709	1323	1307	1313	1239	1296	1672	1587	1622	1511	1598
14:06:45	557	32728	1328	1307	1314	1243	1298	1686	1599	1624	1506	1604
14:07:00	557	32712	1331	1308	1317	1244	1300	1682	1592	1642	1510	1607
14:07:15	556	32762	1330	1306	1315	1244	1299	1677	1580	1664	1514	1609
14:07:30	557	32705	1325	1305	1308	1247	1296	1668	1567	1655	1498	1597
14:07:45	557	32777	1333	1297	1305	1252	1297	1676	1583	1674	1502	1609
14:08:00	557	32737	1330	1303	1313	1256	1301	1681	1557	1647	1500	1596
14:08:15	557	32664	1329	1306	1316	1255	1302	1673	1580	1639	1499	1598
14:08:30	558	32361	1328	1305	1319	1252	1301	1681	1620	1658	1509	1617
14:08:45	556	32683	1331	1303	1318	1256	1302	1675	1601	1647	1488	1603
14:09:00	558	32751	1333	1306	1315	1257	1303	1671	1591	1639	1476	1594
14:09:15	557	32882	1333	1306	1316	1261	1304	1666	1594	1648	1496	1601
14:09:30	556	32718	1338	1303	1312	1259	1303	1664	1583	1628	1493	1592
14:09:45	556	32758	1332	1301	1321	1265	1305	1668	1596	1600	1487	1588
14:10:00	557	32839	1337	1306	1333	1263	1310	1686	1585	1580	1479	1583
14:10:15	554	32578	1335	1302	1275	1263	1294	1430	1228	1244	1148	1263
14:10:30	556	32665	1325	1274	1160	1253	1253	1077	908	932	870	947
14:10:45	558	33086	1304	1237	1074	1230	1211	868	730	754	714	767
14:11:00	556	33496	1278	1200	1015	1210	1176	734	611	623	616	646
14:11:15	555	33187	1253	1165	969	1188	1144	650	525	546	555	569
14:11:30	557	32670	1227	1137	934	1163	1115	584	467	483	509	511
14:11:45	558	32276	1204	1107	905	1139	1089	542	419	445	472	470
14:12:00	554	32708	1180	1082	881	1117	1065	523	380	413	444	440
14:12:15	557	32661	1158	1062	856	1096	1043	482	352	382	420	409
14:12:30	556	32743	1137	1039	837	1076	1022	451	327	358	400	384
14:12:45	555	32606	1114	1012	819	1060	1001	470	307	345	386	377
14:13:00	555	32061	1094	994	803	1035	982	440	290	327	371	357
14:13:15	555	32660	1074	973	785	1019	963	438	274	320	359	348
14:13:30	554	32671	1054	955	771	1001	945	412	264	302	350	332
14:13:45	555	32609	1035	934	757	980	927	399	245	290	341	319
14:14:00	555	32652	1017	917	743	964	910	384	238	281	331	309
14:14:15	555	32945	999	902	731	948	895	372	226	273	323	299
14:14:30	555	32652	982	883	719	933	879	358	217	265	316	289
14:14:45	554	32614	965	870	706	916	864	349	213	254	309	281
14:15:00	554	32579	949	850	696	902	849	338	203	249	303	273

## Yarmouth Research and Technology, LLC

14:15:15	554	32634	933	840	684	885	836	328	199	244	297	267
14:15:30	554	32647	918	828	675	869	823	323	191	237	291	261
14:15:45	554	32643	903	809	664	859	809	317	185	234	286	256
14:16:00	554	32612	888	795	655	845	796	311	182	227	280	250
14:16:15	554	32676	874	781	645	833	783	303	175	222	275	244
14:16:30	554	32662	861	771	636	819	772	296	174	216	269	239
14:16:45	553	32576	847	760	627	808	761	290	171	211	265	234
14:17:00	553	32645	834	746	619	795	749	285	167	208	262	231
14:17:15	553	32643	822	733	611	783	737	282	162	205	259	227
14:17:30	554	32632	810	721	604	776	728	279	157	203	256	224
14:17:45	554	32655	798	713	597	764	718	275	155	196	253	220
14:18:00	554	32593	787	701	589	754	708	268	148	197	248	215
14:18:15	553	32639	775	695	582	745	699	262	149	187	245	211
14:18:30	553	32680	765	680	575	731	688	258	145	189	242	209
14:18:45	553	32645	754	671	568	723	679	253	142	185	241	205
14:19:00	553	32637	744	659	562	713	670	251	138	183	237	202
14:19:15	553	32641	732	656	556	705	662	245	140	177	234	199
14:19:30	552	32638	724	644	550	696	654	242	136	178	232	197
14:19:45	553	32640	713	636	543	686	645	236	136	177	229	195
14:20:00	554	32677	704	628	538	675	636	232	133	172	224	190
14:20:15	552	32605	695	617	532	671	629	230	130	174	223	189
14:20:30	552	32658	686	611	525	663	621	228	129	167	220	186
14:20:45	552	32669	678	603	521	654	614	223	129	168	217	184
14:21:00	552	32591	669	594	516	646	606	223	127	164	215	182
14:21:15	552	32604	661	586	510	639	599	218	124	164	211	179
14:21:30	552	32614	652	579	506	632	592	216	121	162	210	177
14:21:45	552	32614	644	569	500	623	584	214	121	159	209	176
14:22:00	552	32642	636	563	495	619	578	210	120	156	206	173
14:22:15	552	32651	628	556	491	611	572	209	117	154	204	171
14:22:30	552	32617	621	551	486	605	566	210	116	151	201	170
14:22:45	551	32615	613	546	482	602	561	210	117	148	201	169
14:23:00	553	32688	607	536	476	588	552	209	113	146	200	167
14:23:15	551	32625	600	530	475	588	548	207	111	144	199	165
14:23:30	551	32560	593	526	470	579	542	207	110	142	198	164
14:23:45	551	32591	588	517	467	573	536	206	108	140	197	163
14:24:00	551	32624	581	511	462	567	530	202	106	138	194	160
14:24:15	551	32584	574	505	458	562	525	203	102	136	192	158
14:24:30	550	32546	569	500	455	559	521	202	103	136	190	158

## Yarmouth Research and Technology, LLC

14:24:45	551	32603	562	494	451	553	515	199	103	135	186	156
14:25:00	551	32641	557	490	446	547	510	196	103	133	185	154
14:25:15	538	31884	516	457	367	528	467	185	101	187	162	159
14:25:30	537	31790	359	325	260	417	340	138	77	195	132	136
14:25:45	537	31793	259	214	196	317	247	118	67	185	102	118
14:26:00	538	31791	194	146	163	243	187	72	64	167	86	97
14:26:15	538	31736	148	110	134	198	148	65	62	148	82	89
14:26:30	537	31788	116	85	120	167	122	63	56	134	74	82
14:26:45	537	31731	96	72	109	146	106	60	56	123	73	78
14:27:00	537	31701	83	70	104	135	98	60	58	114	75	77
14:27:15	538	31777	74	62	94	126	89	56	57	100	73	72
14:27:30	538	31748	67	59	91	120	84	56	59	92	75	71
14:27:45	537	31731	64	59	80	113	79	54	57	90	71	68
14:28:00	537	31661	61	58	82	111	78	54	56	87	72	67
14:28:15	537	31650	59	57	75	102	73	54	55	84	71	66
14:28:30	537	31682	57	59	72	102	73	55	56	79	74	66
14:28:45	537	31742	55	54	76	99	71	53	53	78	67	63
14:29:00	537	31745	54	55	76	96	70	53	58	78	71	65
14:29:15	537	31690	53	52	70	89	66	51	53	73	66	61
14:29:30	537	31697	53	55	71	88	67	53	52	72	74	63
14:29:45	537	31693	52	52	72	87	66	51	56	68	66	60
14:30:00	537	31720	52	51	73	82	65	52	54	68	66	60
14:30:15	537	31689	52	56	73	83	66	51	52	63	68	59
14:30:30	537	31692	52	53	71	78	64	50	52	64	66	58
14:30:45	536	31763	51	50	69	79	62	50	53	62	66	58
14:31:00	537	31722	51	53	68	79	63	50	53	64	66	58
14:31:15	537	31667	50	52	75	76	63	50	51	61	61	56
14:31:30	536	31713	52	54	66	76	62	50	49	61	65	56
14:31:45	536	31704	51	49	65	73	60	50	50	60	59	55
14:32:00	537	31682	51	45	68	75	60	50	53	58	67	57
14:32:15	536	31739	50	50	66	73	60	51	51	60	66	57
14:32:30	536	31676	51	50	68	69	60	50	51	59	62	56
14:32:45	536	31697	50	50	64	72	59	50	47	60	66	56
14:33:00	536	31679	51	54	69	67	60	49	52	59	62	56
14:33:15	536	31722	51	50	65	72	60	50	54	59	67	58
14:33:30	535	31700	50	56	66	72	61	50	54	59	61	56
14:33:45	536	31718	50	53	67	67	59	49	51	56	67	56
14:34:00	536	31678	50	52	67	67	59	48	53	55	65	55



## Yarmouth Research and Technology, LLC

14:34:15	536	31697	50	53	68	70	60	48	53	55	68	56
14:34:30	535	31700	50	53	66	66	59	49	51	56	68	56
14:34:45	535	31687	50	52	64	67	58	48	52	54	66	55
14:35:00	535	31702	50	53	62	66	58	50	53	54	65	56
14:35:15	535	31648	49	53	65	67	59	49	49	55	62	54
14:35:30	535	31678	51	51	66	65	58	49	53	55	62	55
14:35:45	535	31667	51	52	66	71	60	50	52	55	66	56
14:36:00	535	31682	50	48	61	68	57	49	48	53	71	55
14:36:15	534	31673	49	52	64	69	59	49	51	54	64	55
14:36:30	535	31708	50	49	62	69	58	49	50	54	66	55
14:36:45	535	31709	50	50	62	70	58	50	51	54	63	55
14:37:00	534	31651	51	49	68	67	59	49	51	55	61	54
14:37:15	534	31714	50	49	62	61	56	49	50	53	70	56
14:37:30	534	31701	50	51	70	66	59	50	54	55	63	56
14:37:45	534	31682	49	53	65	63	58	50	52	53	68	56
14:38:00	534	31687	50	51	65	67	58	51	55	53	63	56
14:38:15	534	31678	49	49	62	67	57	50	51	54	65	55
14:38:30	534	31669	50	49	64	61	56	51	52	55	65	56
14:38:45	534	31683	50	54	65	63	58	53	54	54	68	57
14:39:00	534	31699	51	46	64	67	57	51	53	55	68	57
14:39:15	533	31707	50	53	60	71	59	51	53	54	72	58
14:39:30	534	31672	51	49	63	70	58	50	54	54	71	57
14:39:45	534	31652	51	49	64	61	56	50	55	54	66	56
14:40:00	534	31691	51	51	64	69	59	51	52	53	67	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:	30	
System Relief Water Collected:	0	mls
Calculated Water Loss:	30	
Average Leak Rate:	0.5	ml/min
Average Seal Circumference:	24.2	inches
Allowable Leak Rate:	24.2	ml/min

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

### Summary of Test Parameters During Burn and Cool Down Periods

---

Amount of Time of Average Cal. Block > 1200 deg.:	17.8	minutes
Minimum Allowable Time at Temperature:	15	minutes
Average Cal. Block Temperature During Burn:	1099	deg. F
Maximum Average Cal. Block Temperature During Burn:	1304	deg. F
Minimum Average Cal. Block Temperature During Burn:	74	deg. F
Average Flame Temperature During Burn:	1575	deg. F
Maximum Average Flame Temperature During Burn:	1681	deg. F
Minimum Average Flame Temperature During Burn:	165	deg. F

*Notes*

---

<b>Were Test Conditions Within Compliance?</b>	<b>Yes</b>
--	------------

# Yarmouth Research and Technology, LLC

## Depressurization - Repressurization Test Information

Customer: Environmental Gasket Company LTD.

Date: 11/7/2013

Product Code: 6 inch Class 300 Fishbone Gasket

Project Number: 213270

System pressure was lowered to 0 and then repressurized.

### *Operational Test Raw Data*

Time	Pressure (psig)	Average Block Temp-F
15:02:58	552	57
15:03:13	552	57
15:03:28	552	55
15:03:43	551	55
15:03:58	553	56
15:04:13	553	55
15:04:28	552	57
15:04:43	553	56
15:04:58	553	55
15:05:13	552	56
15:05:28	552	55
15:05:43	552	56
15:05:58	553	55
15:06:13	552	55
15:06:28	553	55
15:06:43	553	55
15:06:58	552	56
15:07:13	553	56
15:07:28	553	55
15:07:43	553	54
15:07:58	553	55

*Leakage was collected manually.*

Total External Leakage Collected Over 5 Minute Duration:	0.0	mls
Average Leak Rate Over 5 Minute Duration:	0.0	ml/min
Allowable Leak Rate:	24.2	ml/min

Was the Leakage Below the Allowable?	Yes
--------------------------------------	-----