

Fire Test Report
API Standard 6FB, Third Edition

Performed for

Garlock Pipeline Technologies

<http://www.gptindustries.com>



6 inch Class 300
Thermapure VCXT Gasket

Project Number: 215082
Test Date: March 23, 2015



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

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Yarmouth Research and Technology, LLC

API 6FB FIRE TEST REPORT

Customer:	Garlock Pipeline Technologies	Date:	3/23/2015
Project Number:	215082		
Product Code:	6 inch Class 300 Thermapure VCXT Gasket		
Specification:	API 6FB, Third Edition, Nov. 1998		
	Non-Bending, On-shore Test		
Gasket Thickness:	0.169	inches	
Seal Area OD:	8.500	Seal Area ID:	6.000 inches
Mean Seal Diameter:	7.25	inches	
Mean Circumference:	22.8	inches	
Allowable Leakage:	22.8	ml/min	
Nominal Test Pressure:	555	psig	
YRT Technician:	Matthew J. Wasielewski, P.E.		
	Version of YRT's FIRE-Control 6FB Software:	A	
	Equipment Confirmed to be in Calibration to NIST Standards:	Yes	

Burn and Cool Down Test

	Burn Start Time:	15:46:00	
	Burn / Cooldown Duration:	60	minutes
	Average Pressure During Burn/Cooldown:	564	psig
	Leak Rate During Burn/Cool Down:	0.7	ml/min
	Allowable External Leak Rate:	22.8	ml/min
	Amount of Time of Avg. Cal. Block > 1200 deg.:	18.5	minutes
	Were Test Conditions Within Compliance?	Yes	
	Was the Leakage Below the Allowable?	Yes	

Depressurization - Repressurization Test

	Average Pressure During Test:	552	psig
	Gasket Leak Rate:	0	ml/min
	Allowable External Leak Rate:	22.8	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

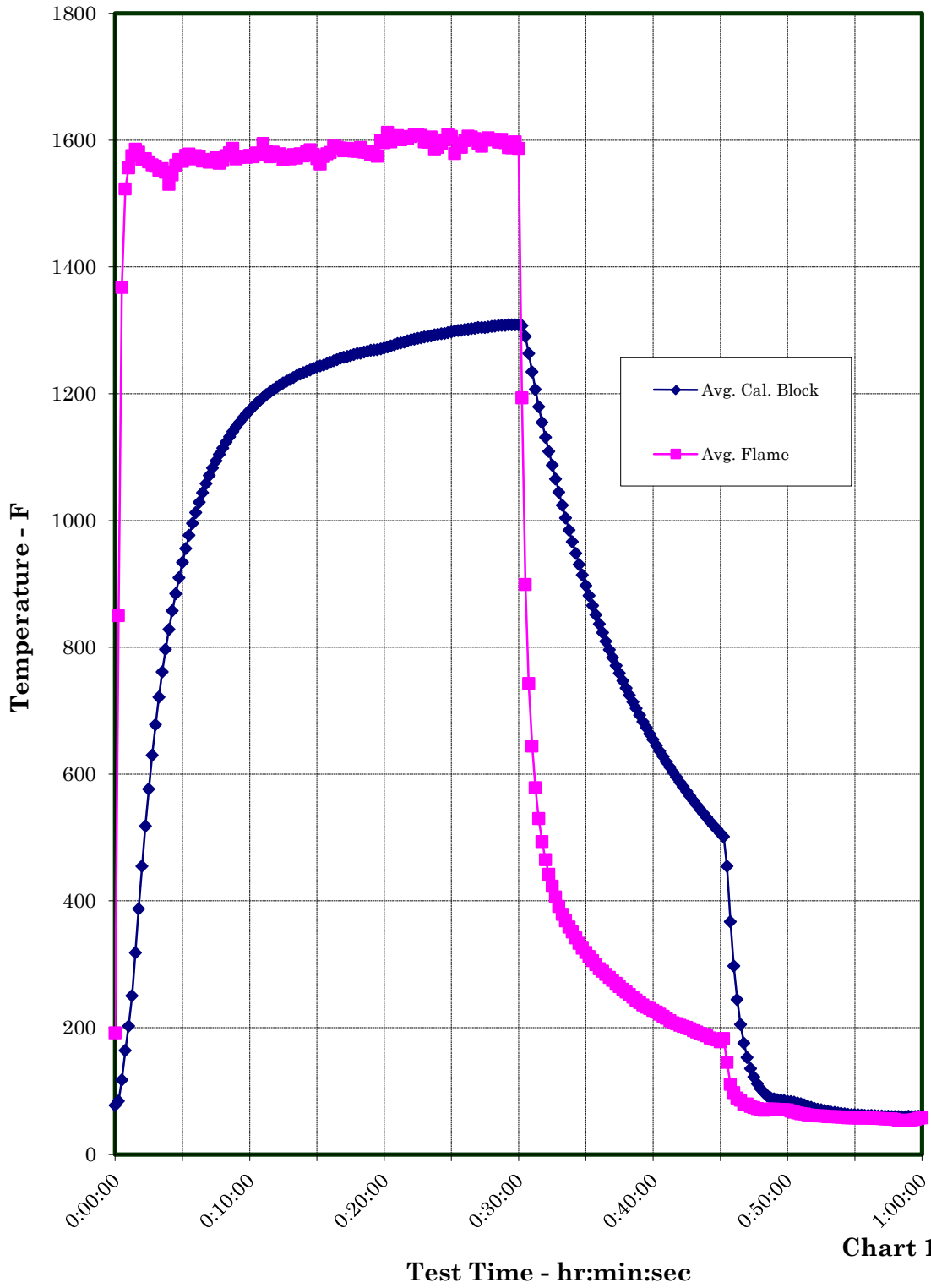
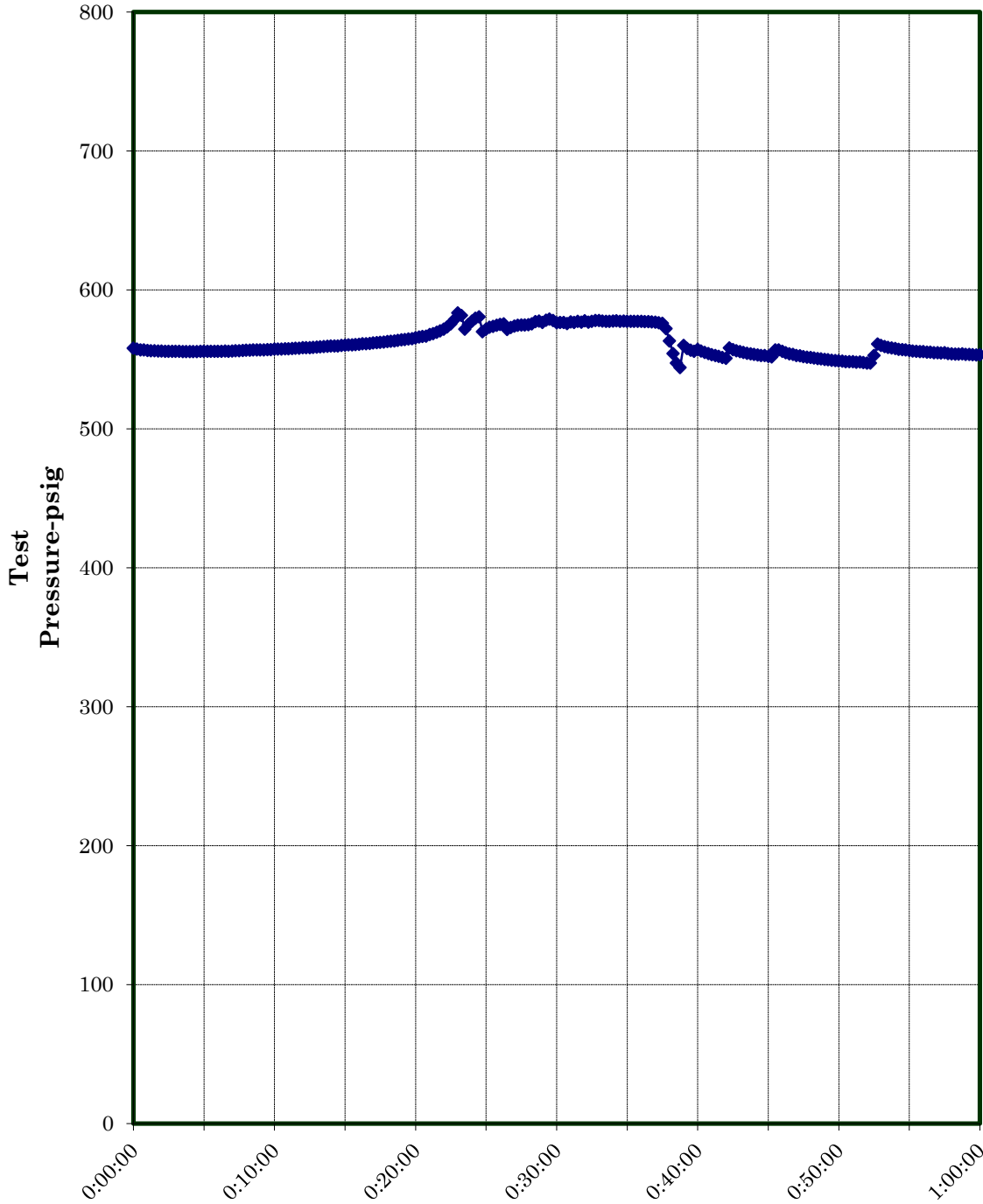


Chart 1

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Pressure 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

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Test Gasket During Burn



Burn Test Gasket

Post

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Fire Test Information

Customer: Garlock Pipeline Technologies

Date: 3/23/2015

Product Code: 6 inch Class 300 Thermapure VCXT Gasket

Project Number: 215082

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
15:46:00	558	27183	76	74	77	82	77	232	121	269	144	192
15:46:15	557	27205	81	78	83	94	84	1082	547	1013	757	850
15:46:30	557	27191	103	93	112	162	118	1476	1232	1487	1276	1368
15:46:45	557	27218	140	122	169	224	164	1595	1467	1601	1429	1523
15:47:00	556	27204	190	165	230	225	203	1620	1508	1624	1472	1556
15:47:15	556	27210	243	216	310	232	250	1644	1521	1641	1496	1576
15:47:30	556	27207	301	277	403	291	318	1654	1532	1647	1510	1586
15:47:45	556	27222	362	341	494	352	387	1634	1527	1640	1523	1581
15:48:00	556	27225	424	405	578	412	455	1620	1508	1634	1516	1570
15:48:15	556	27243	481	468	651	471	518	1641	1495	1628	1519	1571
15:48:30	556	27241	534	529	714	528	576	1616	1494	1607	1545	1566
15:48:45	556	27253	582	586	769	582	630	1614	1473	1598	1558	1561
15:49:00	556	27249	624	639	818	631	678	1605	1460	1608	1562	1559
15:49:15	556	27261	663	687	861	675	722	1592	1454	1590	1573	1552
15:49:30	556	27274	697	733	899	715	761	1597	1459	1607	1556	1555
15:49:45	556	27268	728	773	934	751	797	1562	1468	1606	1562	1550
15:50:00	556	27283	754	811	965	783	828	1555	1445	1569	1552	1530
15:50:15	556	27303	778	846	994	812	858	1551	1459	1596	1574	1545
15:50:30	556	27301	800	878	1021	839	885	1553	1479	1619	1591	1561
15:50:45	556	27291	820	907	1046	866	910	1568	1484	1624	1602	1570
15:51:00	556	27308	840	936	1069	890	934	1544	1476	1619	1626	1566
15:51:15	556	27349	856	962	1091	913	956	1559	1503	1640	1601	1576
15:51:30	556	27325	872	988	1112	934	977	1558	1501	1640	1613	1578
15:51:45	556	27345	886	1011	1131	953	995	1539	1497	1625	1621	1571
15:52:00	556	27354	898	1032	1149	971	1013	1546	1510	1614	1631	1575
15:52:15	556	27367	910	1052	1165	988	1029	1562	1502	1603	1632	1575
15:52:30	556	27396	921	1069	1181	1004	1044	1561	1505	1581	1621	1567

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15:52:45	556	27386	933	1086	1195	1019	1058	1573	1480	1599	1626	1570
15:53:00	556	27397	945	1099	1207	1033	1071	1567	1497	1592	1605	1565
15:53:15	556	27420	955	1112	1218	1046	1083	1555	1508	1598	1608	1567
15:53:30	556	27438	964	1125	1228	1059	1094	1554	1515	1596	1623	1572
15:53:45	556	27469	971	1138	1238	1070	1104	1545	1509	1575	1624	1563
15:54:00	557	27451	978	1150	1247	1081	1114	1587	1496	1589	1599	1568
15:54:15	557	27477	986	1161	1256	1090	1123	1550	1508	1629	1615	1576
15:54:30	557	27479	993	1171	1263	1100	1132	1548	1512	1622	1639	1580
15:54:45	557	27505	999	1181	1270	1110	1140	1548	1508	1637	1655	1587
15:55:00	557	27525	1004	1190	1276	1119	1147	1563	1472	1606	1640	1570
15:55:15	557	27551	1010	1197	1283	1128	1155	1567	1488	1602	1635	1573
15:55:30	557	27553	1015	1204	1290	1136	1161	1569	1477	1606	1642	1574
15:55:45	557	27553	1020	1212	1296	1143	1168	1563	1482	1596	1650	1573
15:56:00	557	27565	1025	1217	1302	1150	1174	1566	1481	1627	1629	1576
15:56:15	557	27589	1029	1223	1307	1157	1179	1561	1489	1609	1635	1574
15:56:30	557	27610	1032	1229	1312	1164	1184	1565	1496	1604	1653	1580
15:56:45	558	27626	1036	1235	1317	1169	1189	1557	1485	1613	1654	1577
15:57:00	558	27649	1039	1240	1321	1175	1194	1554	1519	1644	1661	1595
15:57:15	558	27652	1042	1246	1325	1181	1199	1540	1490	1652	1647	1582
15:57:30	558	27681	1045	1250	1328	1187	1203	1546	1490	1606	1653	1574
15:57:45	558	27671	1047	1254	1333	1191	1206	1569	1470	1620	1665	1581
15:58:00	558	27705	1049	1258	1337	1196	1210	1545	1470	1627	1661	1576
15:58:15	558	27730	1051	1260	1340	1202	1213	1555	1496	1626	1637	1579
15:58:30	559	27760	1054	1264	1344	1206	1217	1544	1472	1617	1643	1569
15:58:45	559	27780	1056	1267	1347	1210	1220	1523	1479	1647	1644	1573
15:59:00	559	27764	1057	1269	1350	1214	1223	1511	1513	1612	1646	1571
15:59:15	559	27790	1057	1273	1354	1218	1226	1521	1509	1622	1657	1577
15:59:30	559	27829	1057	1278	1356	1222	1228	1545	1495	1626	1620	1572
15:59:45	559	27837	1059	1281	1359	1225	1231	1551	1483	1631	1648	1578
16:00:00	560	27873	1060	1283	1361	1229	1233	1545	1471	1630	1654	1575
16:00:15	560	27881	1061	1285	1363	1232	1235	1555	1483	1634	1653	1581
16:00:30	560	27891	1063	1287	1365	1235	1238	1554	1511	1638	1637	1585
16:00:45	560	27922	1065	1289	1367	1239	1240	1537	1500	1635	1638	1578
16:01:00	560	27960	1067	1291	1369	1241	1242	1529	1483	1633	1638	1571
16:01:15	560	27962	1067	1293	1371	1244	1244	1529	1452	1619	1648	1562
16:01:30	560	27992	1068	1293	1373	1247	1245	1568	1461	1621	1647	1574
16:01:45	561	28012	1070	1295	1374	1249	1247	1574	1487	1619	1634	1579
16:02:00	561	28035	1072	1298	1375	1252	1249	1591	1527	1607	1597	1581

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16:02:15	561	28069	1075	1302	1377	1254	1252	1611	1524	1619	1607	1590
16:02:30	561	28095	1078	1305	1377	1255	1254	1584	1535	1623	1613	1589
16:02:45	561	28110	1080	1309	1378	1257	1256	1574	1526	1640	1609	1587
16:03:00	562	28135	1081	1312	1378	1259	1258	1563	1506	1630	1634	1583
16:03:15	562	28147	1081	1314	1379	1261	1259	1555	1522	1642	1628	1587
16:03:30	562	28182	1081	1316	1379	1264	1260	1554	1540	1623	1628	1586
16:03:45	563	28217	1081	1319	1381	1265	1262	1549	1545	1629	1607	1583
16:04:00	563	28235	1082	1321	1383	1267	1263	1522	1561	1645	1601	1582
16:04:15	563	28247	1081	1324	1383	1268	1264	1558	1555	1636	1604	1588
16:04:30	563	28308	1082	1327	1384	1269	1266	1567	1536	1625	1595	1581
16:04:45	564	28327	1083	1329	1385	1270	1267	1563	1549	1603	1607	1581
16:05:00	564	28346	1084	1331	1387	1272	1269	1548	1540	1604	1615	1577
16:05:15	564	28402	1084	1332	1387	1273	1269	1570	1525	1637	1596	1582
16:05:30	565	28434	1085	1333	1386	1274	1270	1531	1536	1636	1595	1575
16:05:45	565	28472	1085	1334	1387	1276	1271	1598	1539	1633	1629	1600
16:06:00	565	28520	1087	1335	1387	1278	1272	1599	1520	1623	1641	1596
16:06:15	566	28581	1090	1336	1388	1281	1274	1625	1536	1648	1639	1612
16:06:30	566	28637	1094	1336	1389	1283	1276	1596	1530	1617	1645	1597
16:06:45	567	28669	1097	1336	1390	1286	1277	1584	1547	1627	1649	1602
16:07:00	568	28735	1098	1338	1392	1288	1279	1591	1540	1645	1652	1607
16:07:15	569	28807	1100	1339	1391	1291	1280	1589	1544	1630	1639	1601
16:07:30	569	28898	1102	1339	1392	1292	1281	1609	1552	1638	1623	1606
16:07:45	570	28969	1105	1341	1393	1295	1284	1626	1539	1625	1618	1602
16:08:00	572	29111	1108	1342	1394	1296	1285	1593	1562	1652	1616	1606
16:08:15	573	29269	1110	1343	1394	1297	1286	1579	1552	1662	1640	1608
16:08:30	576	29452	1111	1344	1395	1299	1287	1585	1561	1649	1638	1608
16:08:45	579	29735	1112	1345	1395	1301	1288	1583	1556	1655	1636	1608
16:09:00	583	29948	1113	1346	1396	1302	1289	1580	1547	1645	1617	1597
16:09:15	582	30755	1114	1346	1397	1304	1290	1573	1546	1646	1622	1597
16:09:30	572	31204	1115	1346	1399	1305	1291	1597	1563	1650	1610	1605
16:09:45	575	31384	1117	1348	1399	1307	1293	1614	1522	1610	1598	1586
16:10:00	578	31168	1120	1348	1400	1307	1294	1593	1501	1625	1636	1589
16:10:15	580	31206	1123	1346	1400	1309	1295	1580	1527	1649	1623	1595
16:10:30	580	31717	1125	1345	1399	1311	1295	1604	1547	1635	1615	1600
16:10:45	570	31714	1127	1346	1399	1313	1296	1620	1553	1644	1619	1609
16:11:00	572	31561	1129	1347	1400	1315	1298	1621	1538	1633	1631	1606
16:11:15	573	32285	1131	1348	1401	1316	1299	1576	1504	1607	1629	1579
16:11:30	574	32757	1132	1348	1402	1317	1300	1599	1516	1622	1644	1595

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16:11:45	575	33030	1134	1347	1401	1319	1300	1581	1510	1629	1634	1589
16:12:00	575	33100	1135	1347	1402	1321	1301	1571	1536	1645	1645	1599
16:12:15	575	33140	1135	1347	1402	1323	1302	1589	1554	1652	1629	1606
16:12:30	572	32817	1135	1349	1402	1324	1303	1590	1566	1639	1624	1605
16:12:45	573	33228	1136	1350	1402	1325	1303	1580	1543	1653	1633	1602
16:13:00	574	33177	1137	1352	1402	1327	1305	1581	1528	1647	1625	1595
16:13:15	575	32694	1137	1351	1401	1328	1304	1584	1524	1649	1605	1591
16:13:30	575	32152	1137	1351	1402	1328	1305	1591	1533	1638	1639	1600
16:13:45	575	31603	1138	1352	1402	1329	1305	1590	1542	1648	1634	1604
16:14:00	575	31527	1139	1352	1403	1330	1306	1598	1531	1644	1627	1600
16:14:15	576	32600	1140	1352	1403	1331	1307	1609	1530	1651	1614	1601
16:14:30	577	33605	1141	1353	1404	1331	1307	1596	1539	1645	1607	1597
16:14:45	578	32522	1142	1354	1404	1332	1308	1592	1539	1648	1625	1601
16:15:00	577	31879	1142	1354	1404	1332	1308	1607	1544	1626	1606	1596
16:15:15	578	33705	1143	1355	1404	1332	1309	1576	1530	1634	1613	1588
16:15:30	579	32697	1142	1355	1405	1332	1309	1562	1532	1641	1617	1588
16:15:45	578	32501	1141	1355	1405	1333	1309	1568	1538	1657	1625	1597
16:16:00	576	33411	1140	1355	1405	1334	1309	1563	1522	1636	1626	1587
16:16:15	577	33664	1138	1354	1404	1333	1307	1206	1139	1235	1194	1194
16:16:30	577	32696	1127	1340	1377	1318	1291	959	830	923	883	899
16:16:45	576	32216	1107	1315	1337	1295	1264	830	658	754	729	743
16:17:00	577	33716	1086	1287	1296	1269	1235	745	552	647	633	644
16:17:15	577	32279	1064	1259	1260	1243	1207	687	480	575	571	578
16:17:30	577	33581	1043	1231	1226	1218	1180	646	427	520	525	530
16:17:45	577	32245	1022	1206	1196	1194	1155	615	390	479	489	493
16:18:00	578	33731	1003	1182	1170	1170	1131	589	362	448	460	465
16:18:15	577	32621	984	1159	1147	1146	1109	565	342	424	436	442
16:18:30	577	32611	965	1136	1123	1124	1087	546	324	403	419	423
16:18:45	578	33517	948	1112	1099	1102	1065	528	309	384	403	406
16:19:00	578	33672	931	1090	1076	1081	1045	513	297	368	386	391
16:19:15	578	33312	914	1067	1054	1061	1024	499	288	358	370	379
16:19:30	577	33071	898	1046	1032	1040	1004	487	282	348	356	368
16:19:45	577	33198	883	1025	1011	1020	985	476	276	339	344	359
16:20:00	578	33526	868	1004	991	1002	966	466	268	329	340	351
16:20:15	578	33168	853	985	971	983	948	455	260	319	332	342
16:20:30	577	32868	839	966	951	966	931	445	254	310	322	333
16:20:45	578	32817	826	947	933	949	914	437	249	302	313	325
16:21:00	577	32882	813	929	915	932	897	428	244	294	307	318

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16:21:15	577	33133	800	912	898	915	881	421	240	288	299	312
16:21:30	577	33093	787	895	881	899	866	413	236	282	291	306
16:21:45	577	33065	776	879	865	885	851	404	232	275	286	299
16:22:00	577	33075	764	863	849	870	837	398	228	268	278	293
16:22:15	577	33065	753	848	835	855	823	393	227	265	271	289
16:22:30	577	33071	742	834	820	841	809	386	224	261	264	284
16:22:45	577	33056	731	819	807	828	796	381	219	255	261	279
16:23:00	577	33058	721	805	793	815	784	375	213	250	260	275
16:23:15	576	33029	710	792	779	802	771	371	208	244	256	270
16:23:30	576	33001	701	779	765	790	759	365	203	237	253	265
16:23:45	572	32719	691	766	752	778	747	360	201	233	248	261
16:24:00	563	31794	682	754	740	766	736	355	198	229	242	256
16:24:15	554	30771	673	742	728	754	724	351	195	224	239	252
16:24:30	547	31100	664	730	716	744	714	345	191	220	236	248
16:24:45	544	30206	656	719	705	733	703	340	188	215	230	243
16:25:00	560	29967	647	708	694	722	693	335	186	211	225	239
16:25:15	558	29841	639	697	682	712	683	331	184	207	221	236
16:25:30	557	29703	631	686	672	703	673	327	182	203	217	232
16:25:45	556	29360	623	676	662	692	663	323	179	200	218	230
16:26:00	557	29459	616	666	652	683	654	320	175	196	217	227
16:26:15	556	29374	608	656	642	673	645	318	173	192	215	225
16:26:30	555	29335	601	647	632	664	636	314	170	189	212	221
16:26:45	554	29218	594	638	623	655	628	309	168	186	208	218
16:27:00	553	29144	587	629	614	646	619	306	166	182	205	215
16:27:15	553	29082	580	620	605	638	611	301	164	179	200	211
16:27:30	552	28984	573	612	596	629	603	296	162	176	196	208
16:27:45	551	28960	567	603	588	622	595	294	161	175	194	206
16:28:00	551	28879	560	595	580	613	587	290	158	173	194	204
16:28:15	558	28780	554	587	572	606	580	286	157	171	193	202
16:28:30	557	28715	548	579	564	598	572	283	155	169	193	200
16:28:45	556	28708	542	572	556	590	565	279	153	166	194	198
16:29:00	555	28619	536	564	548	583	558	276	152	164	189	195
16:29:15	555	28599	530	557	541	576	551	272	150	162	187	193
16:29:30	554	28549	524	550	534	569	544	269	149	160	186	191
16:29:45	554	28514	519	543	527	562	538	267	147	158	184	189
16:30:00	554	28471	513	536	520	556	531	264	146	156	181	187
16:30:15	553	28440	508	529	513	549	525	261	144	153	177	184
16:30:30	553	28455	502	523	507	543	519	261	142	150	174	182

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16:30:45	553	28382	497	517	501	536	513	260	140	148	174	181
16:31:00	552	28381	492	510	495	530	507	258	138	145	170	178
16:31:15	552	28355	487	504	489	524	501	237	153	164	176	183
16:31:30	557	27728	425	464	462	467	455	109	159	190	123	145
16:31:45	557	27939	319	383	405	362	367	73	124	145	101	111
16:32:00	556	27869	239	319	351	280	297	65	107	125	93	98
16:32:15	555	27809	182	269	304	222	244	60	96	110	90	89
16:32:30	554	27770	143	230	265	182	205	57	87	107	90	85
16:32:45	554	27742	117	199	232	154	176	57	81	90	88	79
16:33:00	553	27683	99	173	205	134	153	57	77	97	86	79
16:33:15	552	27660	87	153	182	120	136	56	73	90	84	76
16:33:30	552	27619	79	137	163	110	122	55	71	87	83	74
16:33:45	551	27596	72	124	148	102	112	55	69	83	82	72
16:34:00	551	27544	68	114	135	97	104	54	67	81	79	70
16:34:15	551	27532	65	105	125	94	97	54	66	81	78	70
16:34:30	551	27515	63	98	117	91	92	54	65	87	79	71
16:34:45	550	27491	61	92	114	90	89	54	64	90	77	71
16:35:00	550	27464	59	87	115	89	88	54	64	91	77	72
16:35:15	550	27449	58	83	117	87	86	54	63	90	75	71
16:35:30	549	27435	58	80	118	86	86	54	63	88	77	71
16:35:45	549	27421	57	77	120	85	85	53	62	87	80	71
16:36:00	549	27420	56	74	121	84	84	53	62	86	79	70
16:36:15	549	27381	56	73	121	83	83	52	61	84	77	69
16:36:30	548	27353	56	71	121	82	83	52	61	79	75	67
16:36:45	548	27376	55	69	119	81	81	52	61	75	73	65
16:37:00	548	27359	55	68	116	80	80	52	60	73	71	64
16:37:15	548	27324	55	67	112	79	78	52	60	72	70	64
16:37:30	548	27343	54	66	107	77	76	52	60	68	70	63
16:37:45	548	27309	54	65	102	76	74	52	60	67	67	62
16:38:00	547	27296	54	64	97	76	73	52	60	66	67	61
16:38:15	547	27299	54	64	93	75	72	52	60	64	66	61
16:38:30	553	26547	54	63	89	75	70	52	59	65	66	61
16:38:45	561	27243	54	63	85	74	69	52	59	64	65	60
16:39:00	560	27240	54	62	82	73	68	52	58	64	64	60
16:39:15	559	27231	54	61	79	72	67	52	59	63	64	60
16:39:30	559	27209	54	61	78	71	66	52	59	64	62	59
16:39:45	558	27215	54	61	76	71	66	52	58	64	62	59
16:40:00	558	27208	54	61	74	70	65	52	58	63	61	59

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16:40:15	557	27234	54	60	73	69	64	52	59	63	62	59
16:40:30	557	27194	53	60	72	68	63	51	58	62	60	58
16:40:45	557	27215	53	59	71	68	63	51	57	62	60	58
16:41:00	556	27180	53	59	71	68	63	52	58	61	60	58
16:41:15	556	27187	53	59	70	67	62	52	57	60	59	57
16:41:30	556	27187	53	59	69	67	62	52	57	61	60	58
16:41:45	556	27179	53	58	68	67	62	52	58	60	59	57
16:42:00	556	27176	53	58	68	67	62	52	57	61	60	58
16:42:15	555	27189	53	58	68	67	62	52	57	61	59	57
16:42:30	555	27170	53	58	67	67	61	51	57	60	59	57
16:42:45	555	27158	53	57	66	67	61	52	57	59	59	57
16:43:00	555	27158	53	57	66	67	61	52	57	59	58	57
16:43:15	555	27160	53	57	65	66	60	51	57	58	58	56
16:43:30	555	27113	53	57	65	66	60	51	56	58	58	56
16:43:45	554	27160	53	57	64	65	60	51	56	58	58	56
16:44:00	554	27149	53	57	64	65	60	52	55	57	56	55
16:44:15	554	27158	53	57	64	65	60	51	53	56	55	54
16:44:30	554	27153	53	57	64	64	60	52	53	55	54	54
16:44:45	554	27136	53	56	64	65	60	52	52	55	54	53
16:45:00	554	27139	54	57	64	65	60	53	53	55	54	54
16:45:15	553	27133	53	57	64	65	60	53	54	55	55	54
16:45:30	553	27136	53	57	64	65	60	54	55	56	56	55
16:45:45	553	27143	54	57	64	65	60	55	57	57	58	57
16:46:00	553	27144	54	57	64	65	60	55	58	58	59	58

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:	40	mls
System Relief Water Collected:	0	mls
Calculated Water Loss:	40	mls
Average Leak Rate:	0.7	ml/min
Average Seal Circumference	22.8	inches
Allowable Leak Rate:	22.8	ml/min

Was the Leakage Below the Allowable?	Yes
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Summary of Test Parameters During Burn and Cool Down Periods

Amount of Time of Average Cal. Block > 1200 deg.:	18.5	minutes
Minimum Allowable Time at Temperature:	15	minutes
Average Cal. Block Temperature During Burn:	1106	deg. F
Maximum Average Cal. Block Temperature During Burn:	1309	deg. F
Minimum Average Cal. Block Temperature During Burn:	77	deg. F
Average Flame Temperature During Burn:	1562	deg. F
Maximum Average Flame Temperature During Burn:	1612	deg. F
Minimum Average Flame Temperature During Burn:	192	deg. F

Notes

Were Test Conditions Within Compliance?	Yes
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Yarmouth Research and Technology, LLC

Depressurization - Repressurization Test Information

Customer: Garlock Pipeline Technologies

Date: 3/23/2015

Product Code: 6 inch Class 300 Thermapure VCXT Gasket

Project Number: 215082

System pressure was lowered to 0 and then repressurized.

Operational Test Raw Data

Time	Pressure (psig)	Average Block Temp-F
16:54:53	553	68
16:55:08	553	68
16:55:23	553	68
16:55:38	553	68
16:55:53	553	68
16:56:08	553	68
16:56:23	553	68
16:56:38	553	68
16:56:53	553	68
16:57:08	552	68
16:57:23	552	68
16:57:38	552	68
16:57:53	552	68
16:58:08	552	69
16:58:23	552	68
16:58:38	552	68
16:58:53	552	69
16:59:08	552	68
16:59:23	552	69
16:59:38	552	69
16:59:53	552	69

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:	22.8	ml/min

Was the Leakage Below the Allowable?	Yes
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