

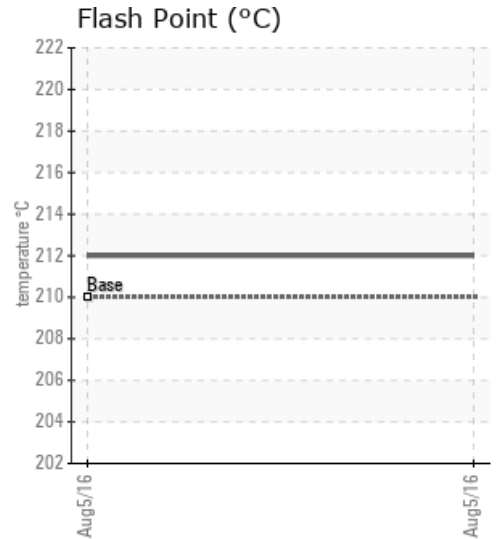
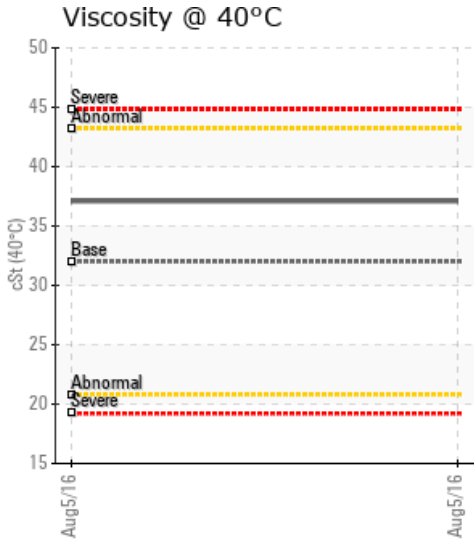
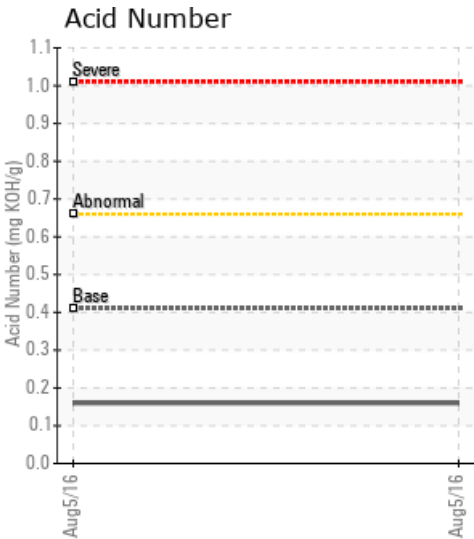
HOT OIL SYSTEM

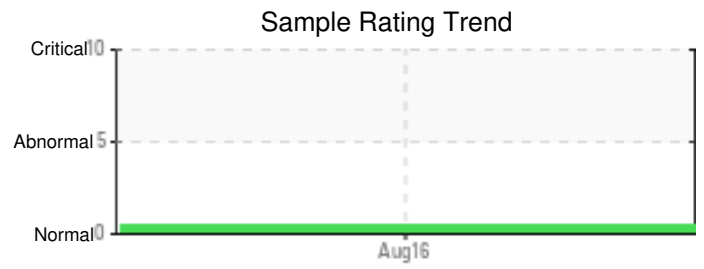
Customer: PTRHTF10140	System Information	Sample Information
PABCO ROOFING PRODUCTS 1718 THORNE RD TACOMA, WA 98421-3207 USA Attn: Trevor Bingham Tel: (253)284-1228 E-Mail: trevor.bingham@pabcoroofing.com	System Volume: 300 gal Bulk Operating Temp: 400F / 204C Heating Source: Blanket: Fluid: HEAT TRANSFER FLUID ISO 32 Make: CEI	Lab No: 02099384 Analyst: Ron LeBlanc Sample Date: 08/05/16 Received Date: 09/22/16 Completed: 09/26/16

Recommendation: Sample appears normal. Resample in 6 months.

Comments:

Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
08/05/16	09/22/16	2y	TANK LOOP AIR BLEED	414 / 212	22.8	37.1	0.16	0.250	717 / 381	814 / 434	916 / 491	0.44
Baseline Data				410 / 210		32	0.41		707 / 375	802 / 428	910 / 488	1.5

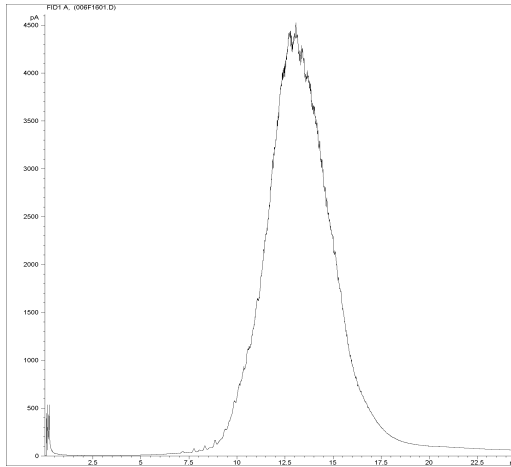




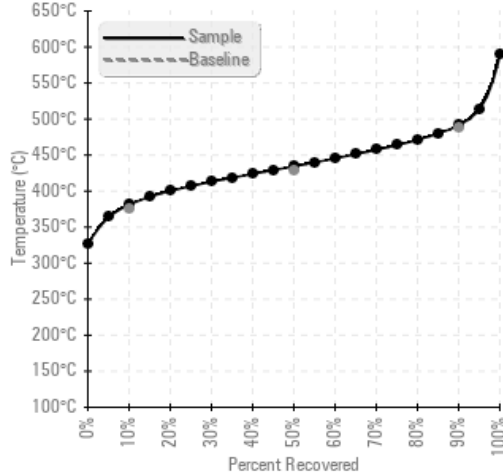
Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
08/05/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Baseline Data			0	0						0			0	0					5					250

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

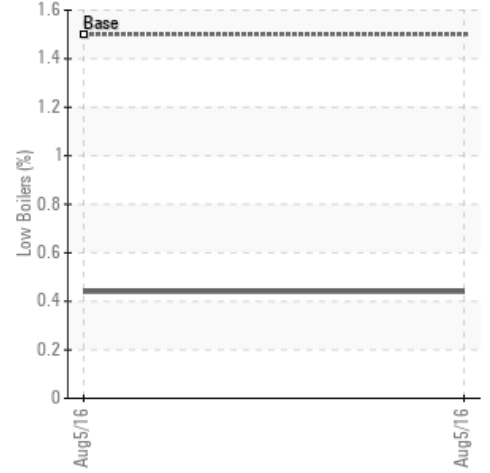
GCD Spectrum



Gas Chromatography Distillation



% Boiling < 335°C



Historical Comments

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