

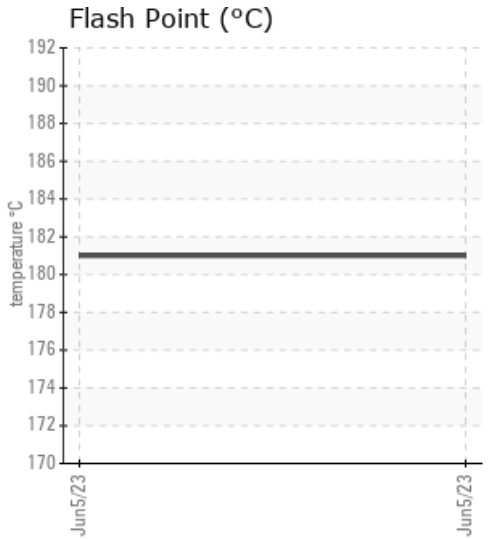
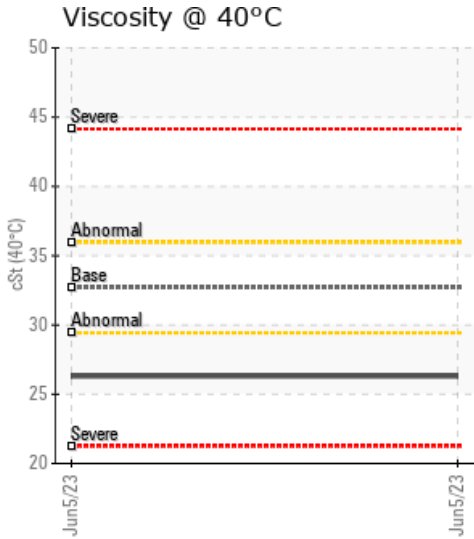
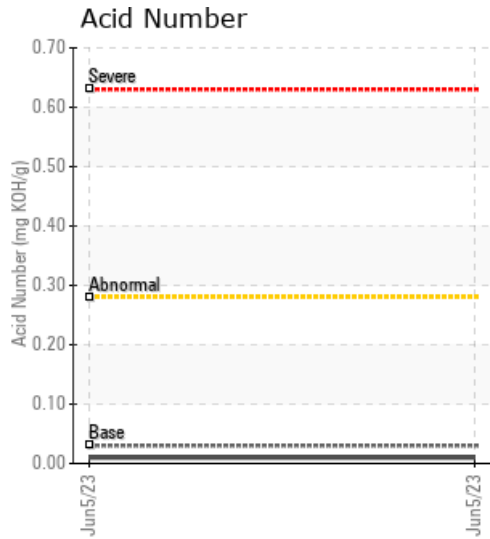
NORWOOD ROOFING

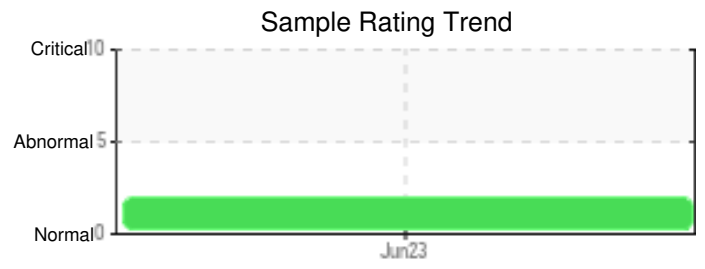
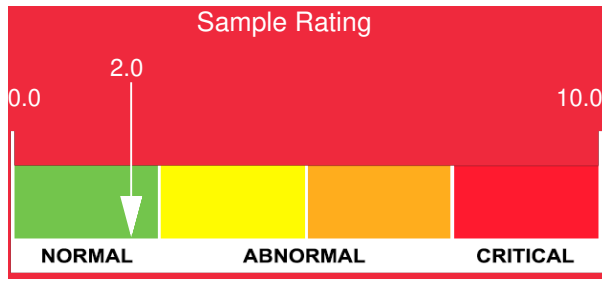
Customer: PTRHTF10068	System Information	Sample Information
Certainteed - Saint Gobain 1064 PLEASANT ST NORWOOD, MA 02062 US Attn: Jim Krug Tel: E-Mail: jim.krug@saint-gobain.com	System Volume: 0 gal Bulk Operating Temp: 550F / 288C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make:	Lab No: 02563974 Analyst: Greg Fernandez Sample Date: 06/05/23 Received Date: 06/13/23 Completed: 06/23/23 Greg Fernandez gregory.fernandez@hfsinclair.com

Recommendation: Sample is in generally good condition with only minor watch points as follows:

Comments: Visc @ 40°C is abnormally low. (GCD) 90% Distillation Point is marginally high. COC Flash Point is marginally low.

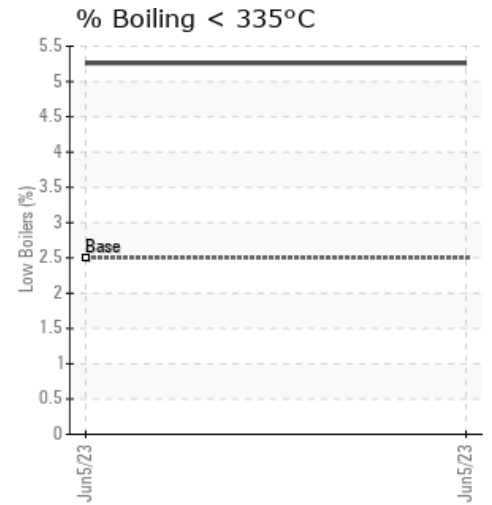
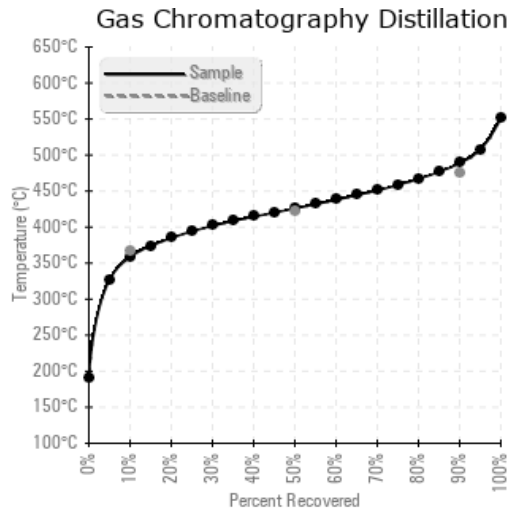
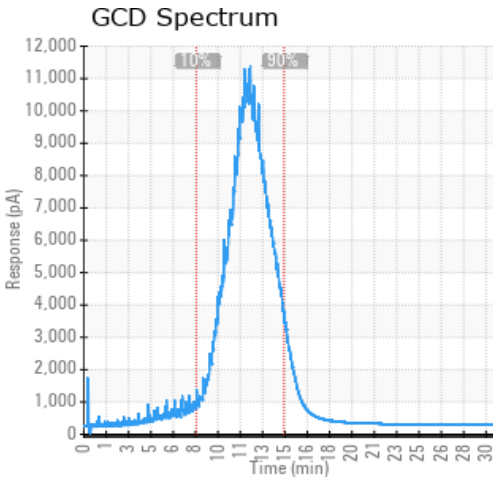
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
06/05/23	06/13/23	2.5y	main hot oil system	358 / 181	40.7	26.3	0.01	0.048	678 / 359	799 / 426	912 / 489	5.26
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5





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	
06/05/23	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	
Baseline Data			0	0						0			0	0					0					270	

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



Historical Comments

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