

SKOKIE

Customer: PTRHTF10260
 Builders Asphalt
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 E-Mail: marsmaker@gmail.com

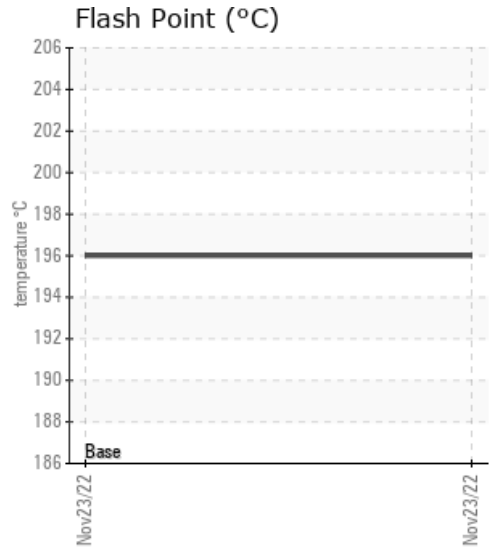
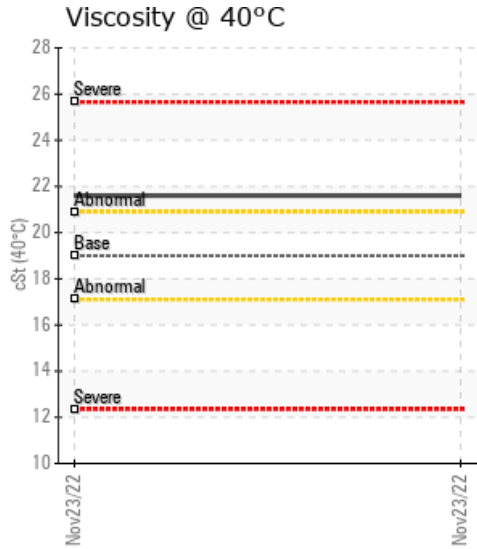
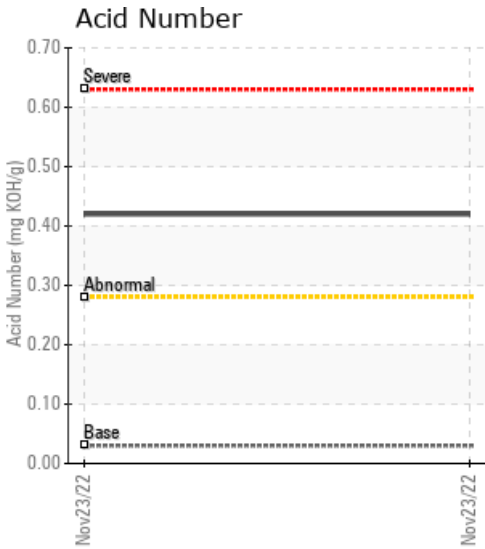
System Information
 System Volume: 500 gal
 Bulk Operating Temp: 330F / 166C
 Heating Source:
 Blanket:
 Fluid: EASTMAN THERMINOL 55
 Make: HYWAY/GENCOR

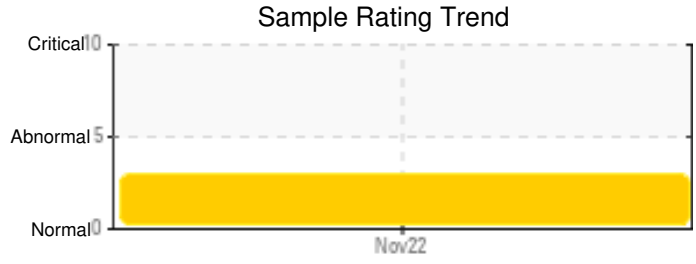
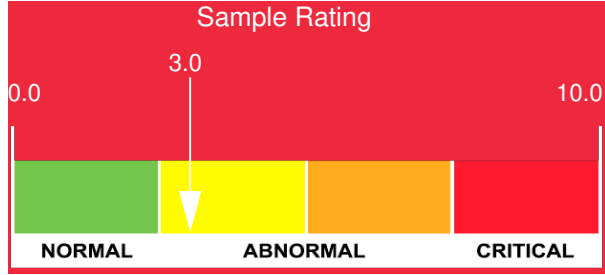
Sample Information
 Lab No: 02530451
 Analyst: Yvette Trzcinski
 Sample Date: 11/23/22
 Received Date: 12/22/22
 Completed: 01/03/23
 Yvette Trzcinski
 yvette.trzcinski@HFSinclair.com

Recommendation: System is showing signs of fluid degradation and oxidation viscosity has increased and the acid number is abnormally high sign of oxidation in the system and can lead to sludge and deposit in the system as well as corrosion. Fluid is acceptable for continued use but I recommend sampling in 6 - 9 months

Comments: Acid Number (AN) is abnormally high. Visc @ 40°C is abnormally high. (GCD) 90% Distillation Point is marginally high.

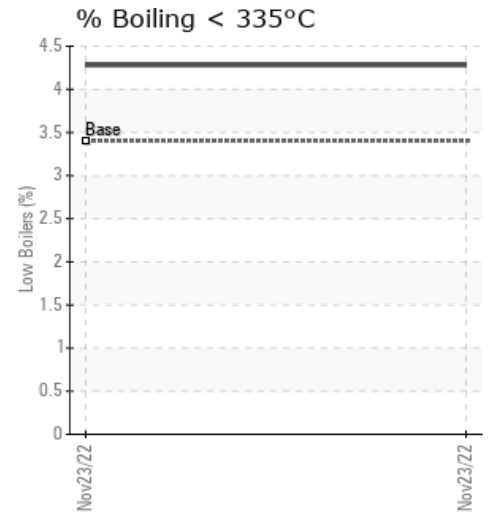
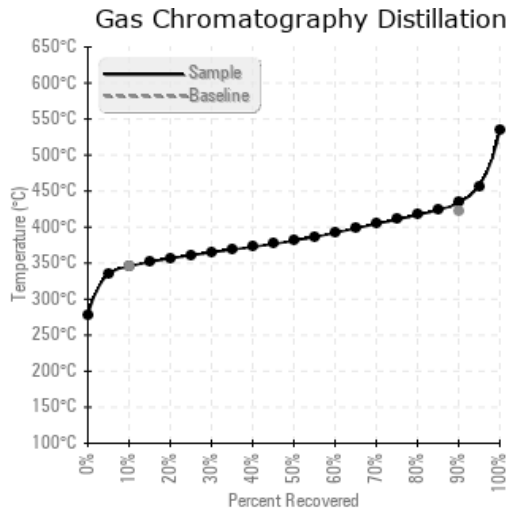
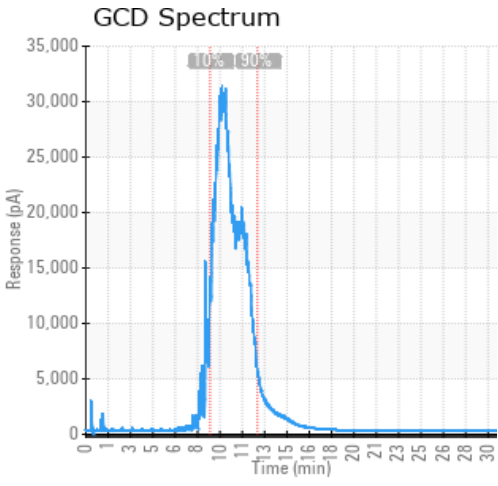
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
11/23/22	12/22/22	2.0y		385 / 196	22.6	21.6	0.42	0.044	654 / 346	718 / 381	812 / 434	4.28
Baseline Data				349 / 176		19.0	0.03		655 / 346		790 / 421	3.40





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
11/23/22	8	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	2
Baseline Data			0	0						0		0	0						0				0	

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



Historical Comments

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