

[Alder Flats Gas Plant / 11-33-45-8W5] 0531

Customer: PTRHTF20269
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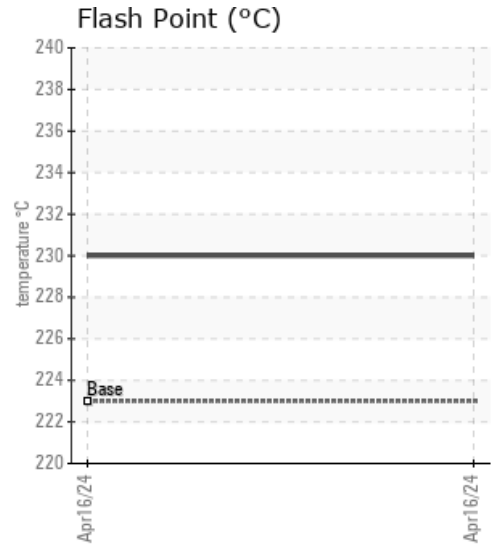
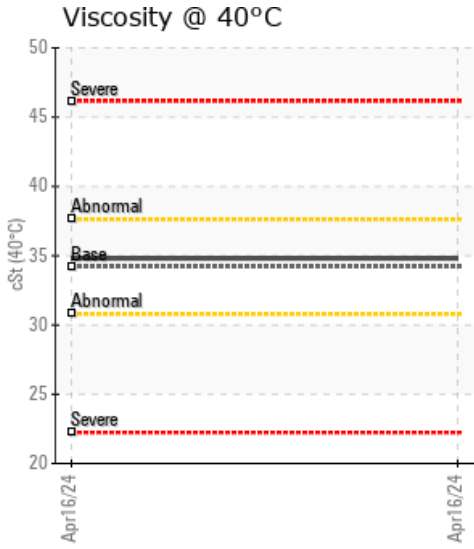
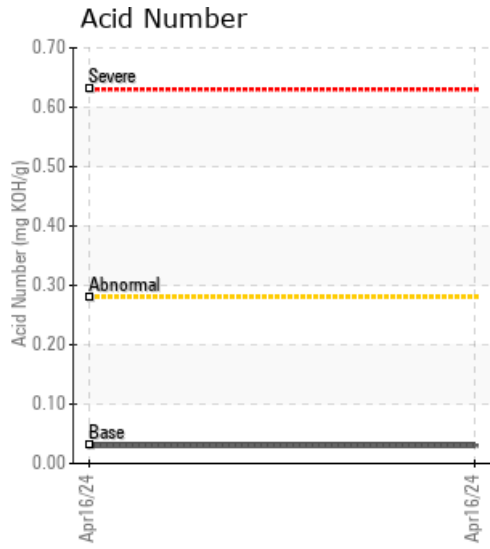
System Information
 System Volume: 7000 ltr
 Bulk Operating Temp: 273F / 134C
 Heating Source:
 Blanket:
 Fluid: PETRO CANADA PETRO-THERM
 Make: Natco

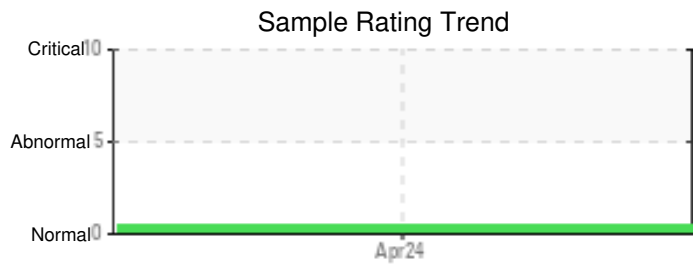
Sample Information
 Lab No: 02632148
 Analyst: Lyle Dach
 Sample Date: 04/16/24
 Received Date: 04/29/24
 Completed: 05/01/24
 Lyle Dach
 lyle.dach@HFSinclair.com

Recommendation: Sample results indicate that the fluid is in good condition and suitable for continued service. Resample in 12 months.

Comments:

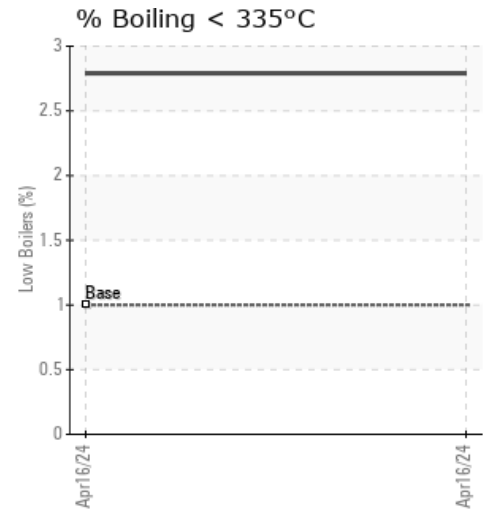
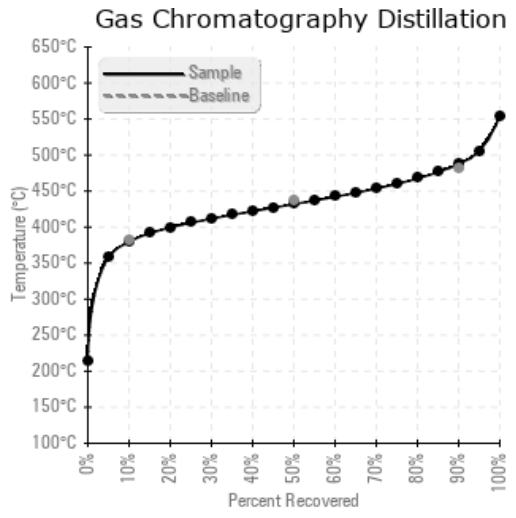
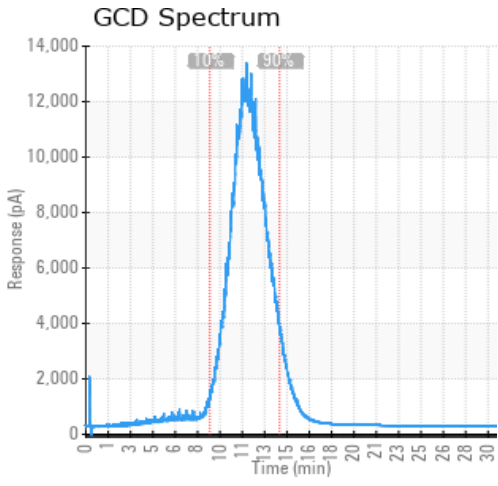
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
04/16/24	04/29/24	3.0m		446 / 230	61	34.8	0.03	0.036	716 / 380	809 / 432	910 / 488	2.79
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00





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
04/16/24	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	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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