

CONDYLINEHEATER LSD 6-8-62-3W6M

Customer: PTRHTF20191
 STRATH RESOURCES
 66-8-62-3W6
 GRANDE PRAIRIE, AB Canada
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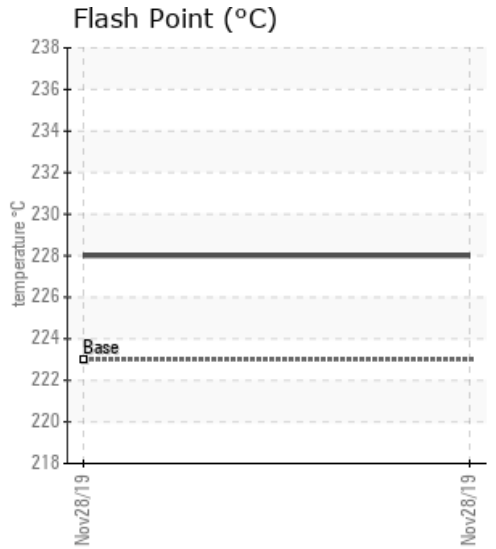
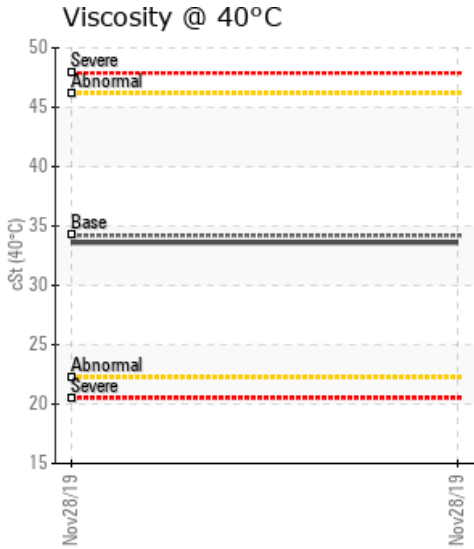
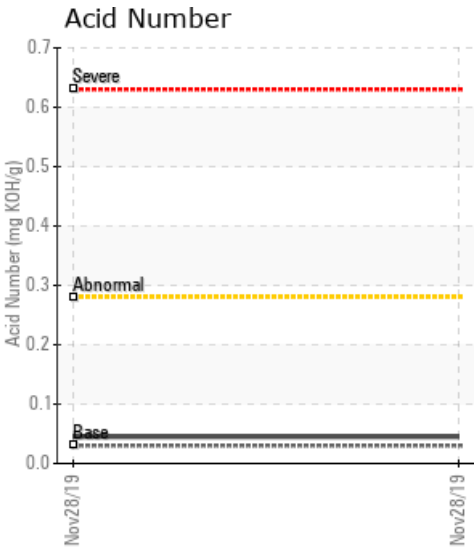
System Information
 System Volume: 35000 ltr
 Bulk Operating Temp: 266F / 130C
 Heating Source:
 Blanket:
 Fluid: PETRO CANADA PETRO-THERM
 Make: RUSHTON

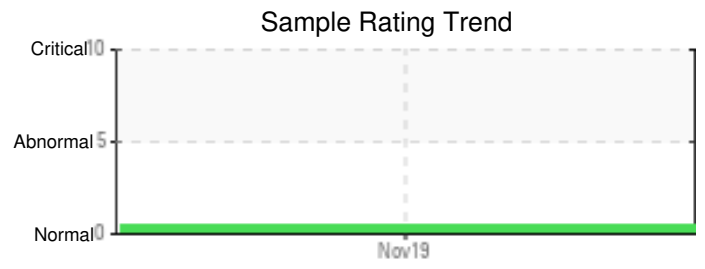
Sample Information
 Lab No: 02327610
 Analyst: Clinton Buhler
 Sample Date: 11/28/19
 Received Date: 12/17/19
 Completed: 01/06/20

Recommendation: Sample results would indicate that the fluid is suitable for continued service. It is understood that blanket gas is not currently being used. Please ensure blanket gas is operational to protect the fluid from air that can cause oxidation and subsequent acid formation. 2-3 psi is sufficient to protect the fluid. As part of good maintenance practice, regular venting of the expansion tank can keep low boiling vapors at low concentrations. Please re-sample in 6 months.

Comments:

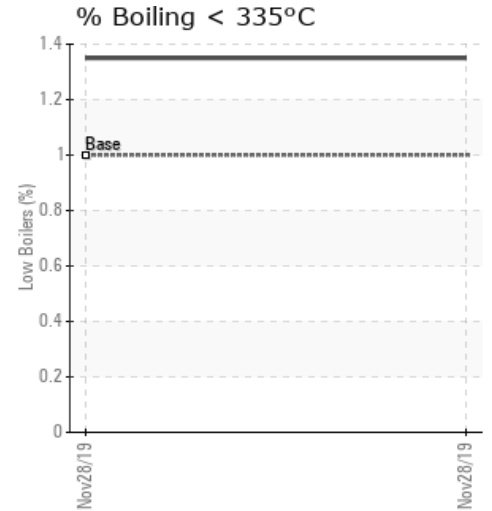
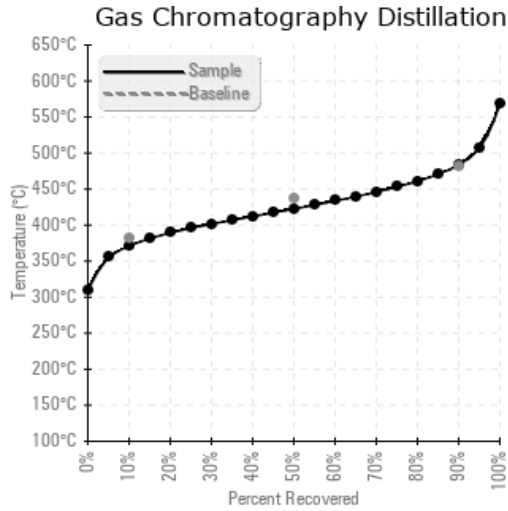
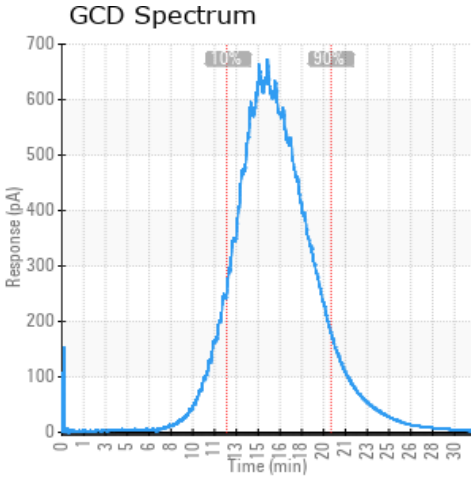
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
11/28/19	12/17/19	6m	TANK	442 / 228	291.0	33.6	0.045	0.200	699 / 371	793 / 423	902 / 484	1.35
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
11/28/19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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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