

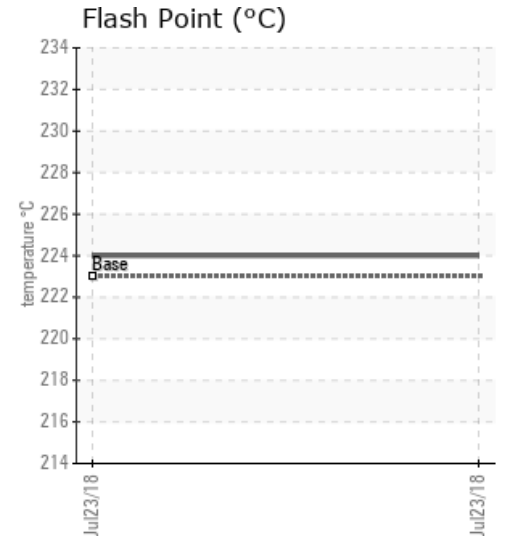
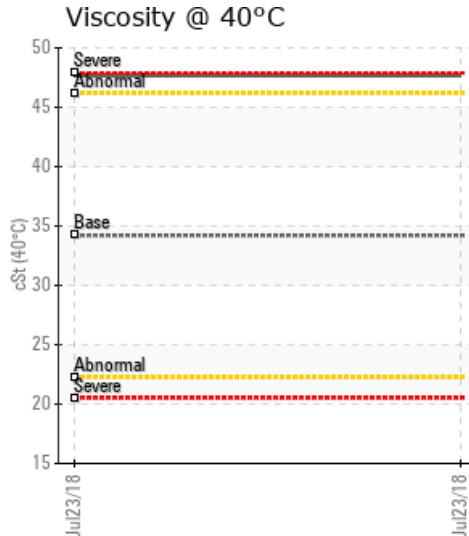
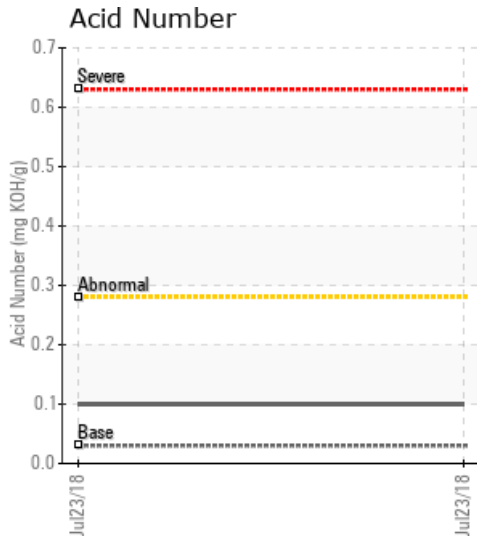
[PETRO EXPLORATION] D.M. STABILIZER HEAT 11-17-55-21-WSM

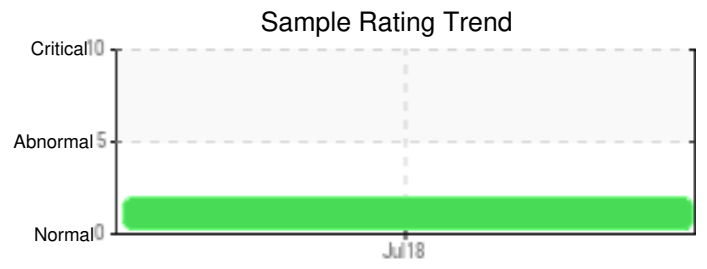
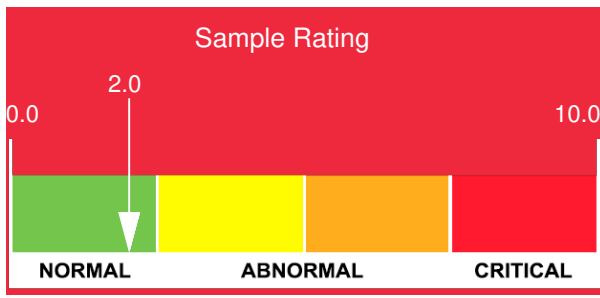
Customer: PTRHTF20124	System Information	Sample Information
PEYTO EXPLORATION 11-17-55-21W5 BOX 7198 EDSON, AB T7E 1V4 Canada Attn: Cory Pambrub Tel: (780)712-0217 E-Mail: cpambrun@peyto.com	System Volume: 0 gal Bulk Operating Temp: 370F / 188C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make:	Lab No: 02232576 Analyst: Terry Veenstra Sample Date: 07/23/18 Received Date: 08/08/18 Completed: 08/10/18 To discuss this report contact Terry Veenstra at (780)591-5339

Recommendation: Pentane Insolubles and oil viscosity are abnormally high. Oxidation may be occurring in the system. Ensure gas or Nitrogen blanket is in good functioning order.

Comments: Pentane Insolubles levels are severely high. Visc @ 40°C is abnormally high.

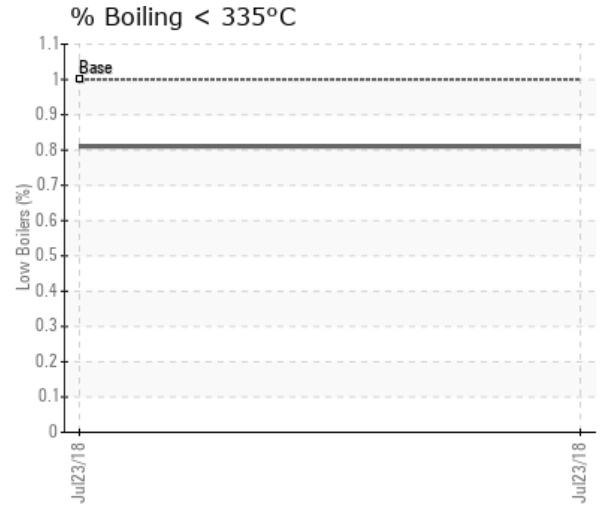
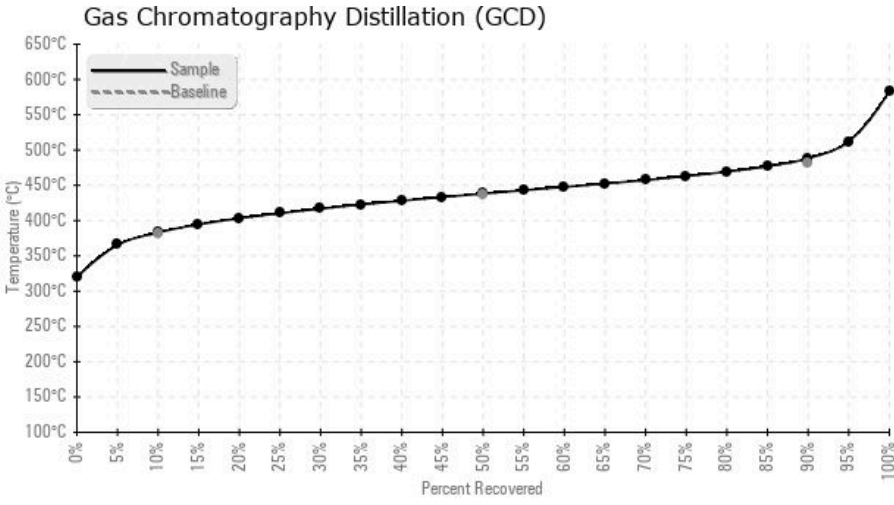
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
07/23/18	08/08/18	5y		435 / 224	45.0	47.7	0.10	1.05	721 / 383	821 / 438	911 / 488	0.81
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
07/23/18	42	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	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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