

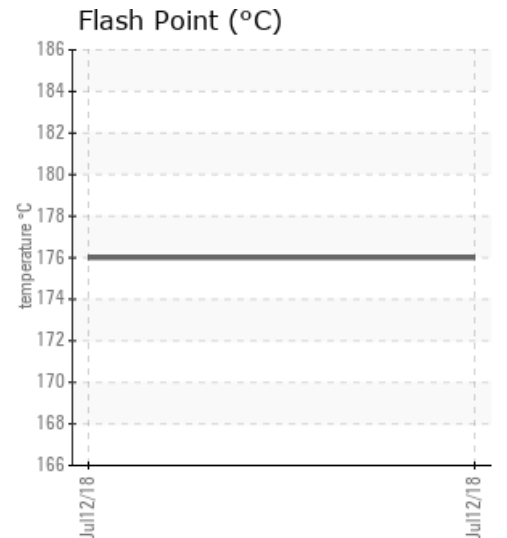
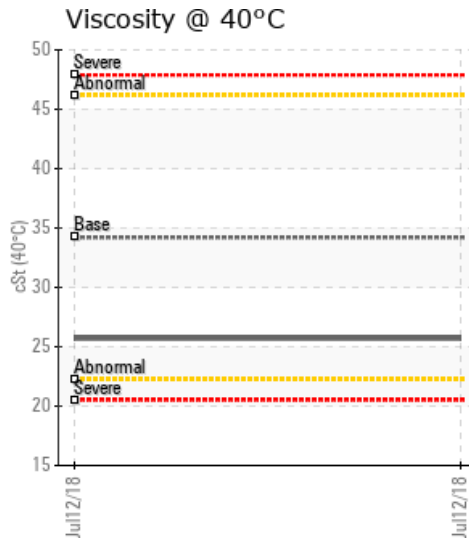
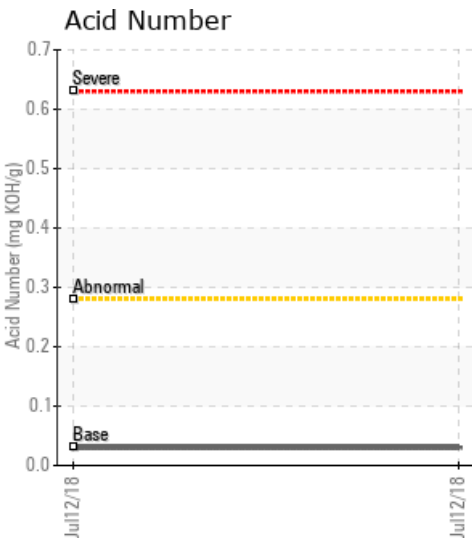
## LINE 2

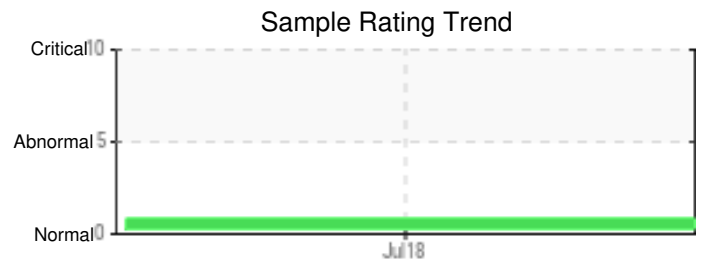
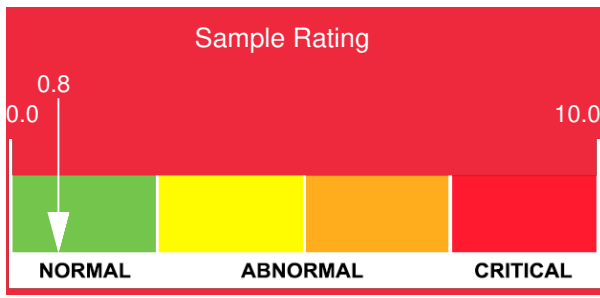
Customer: PTRHTF40125	System Information	Sample Information
PKP - UKRAINE GAGRINA STR 39 RIVNE, 33003 Ukraine Attn: Sergey Protsyk Tel: E-Mail: eugenia@pkpua.com	System Volume: 17000 ltr Bulk Operating Temp: 527F / 275C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: 1991 KONUS KESSEL	Lab No: 02230451 Analyst: Philip Riley Sample Date: 07/12/18 Received Date: 07/25/18 Completed: 08/08/18 To discuss this report contact Philip Riley at (440)124-4378171

Recommendation: Flash Point by COC is low. There is significant presence of light end molecules as shown in GC, which will contribute to lower flash point. If can be done safely, consider venting and a partial oil change. If this cannot be done safely, should work towards an oil change

Comments: COC Flash Point is abnormally low.

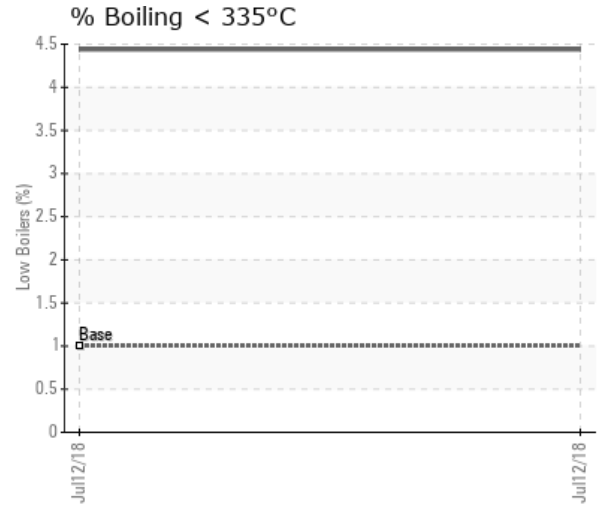
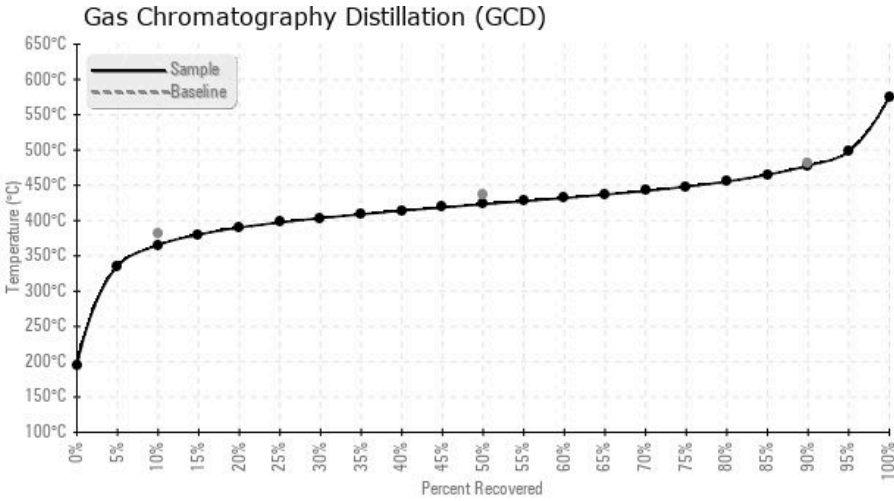
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
07/12/18	07/25/18	0y		349 / 176	18.3	25.7	0.03	0.051	690 / 365	794 / 423	892 / 478	4.44
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
07/12/18	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Baseline Data</b>			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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