

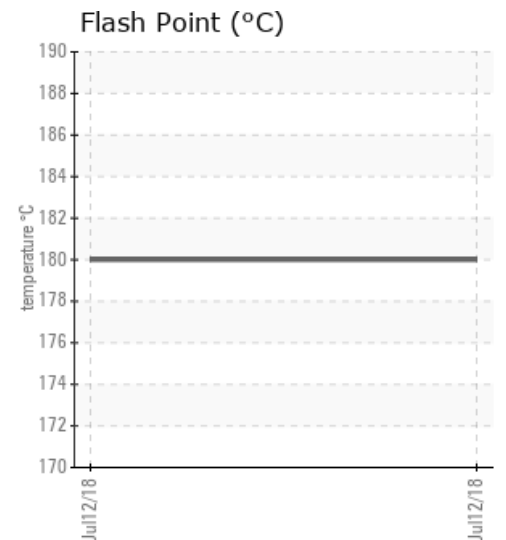
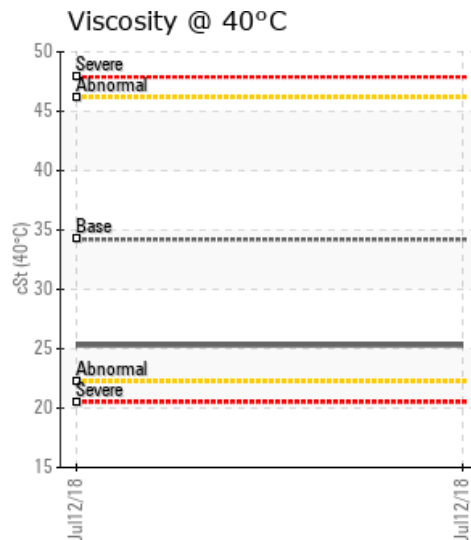
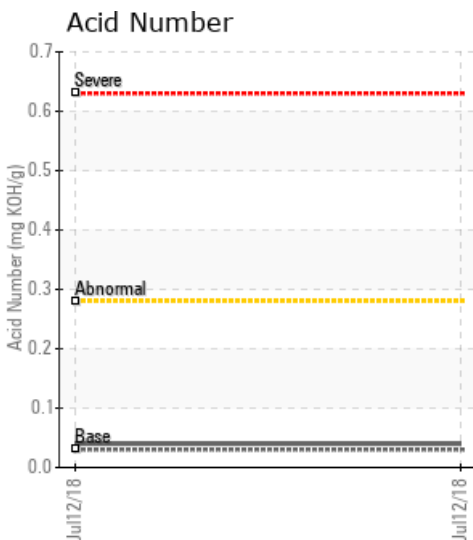
LINE 1

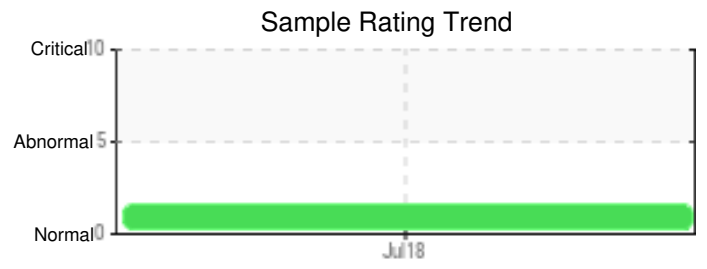
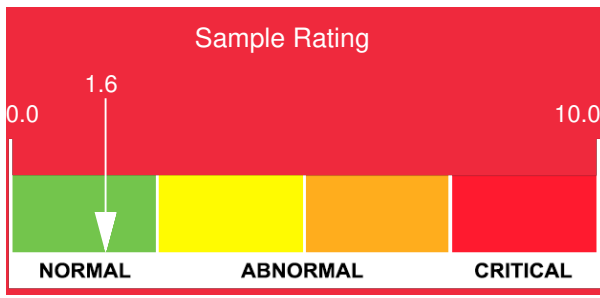
Customer: PTRHTF40125	System Information	Sample Information
PKP - UKRAINE GAGRINA STR 39 RIVNE, 33003 Ukraine Attn: Sergey Protsyk Tel: E-Mail: eugenia@pkpua.com	System Volume: 20000 ltr Bulk Operating Temp: 527F / 275C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: 1991 KONUS KESSEL	Lab No: 02230452 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 low and presence of light molecules evident on GCD. If safe to do so, vent the system to remove light molecules and consider partial change. If cannot be done consider oil change at forthcoming convenient time before flash point deteriorates further

Comments: COC Flash Point is marginally low. (GCD) 90% Distillation Point is marginally low.

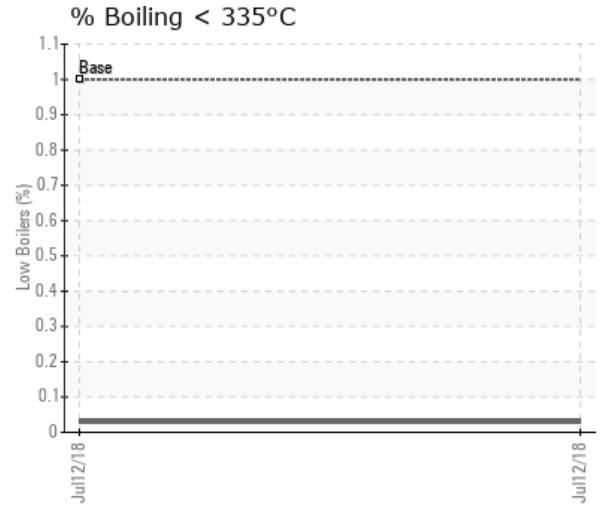
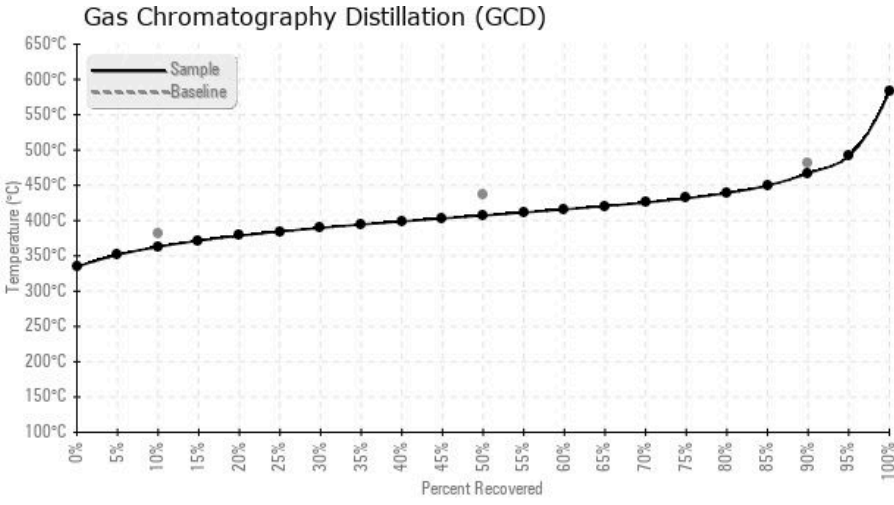
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
07/12/18	07/25/18	10y		356 / 180	25.1	25.3	0.04	0.026	685 / 363	765 / 407	873 / 467	0.03
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	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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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