

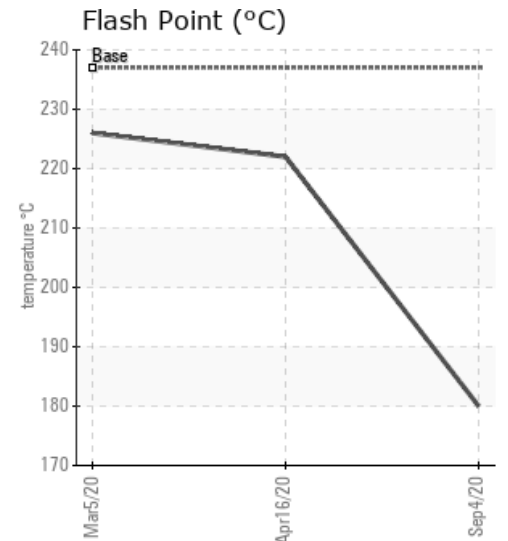
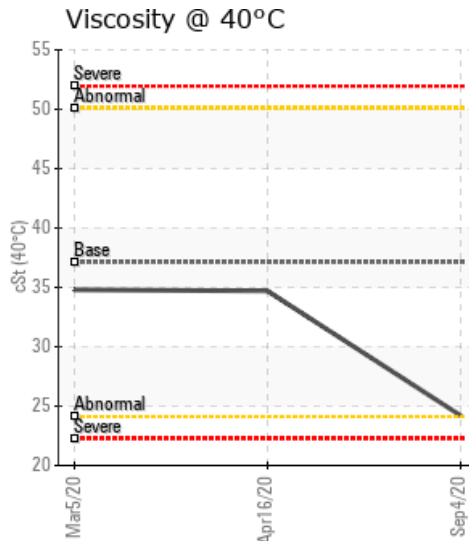
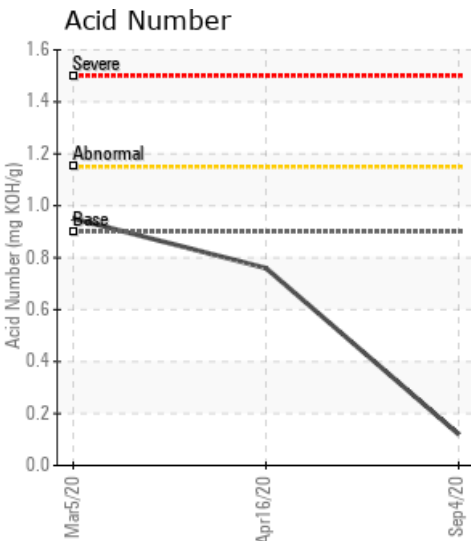
## ECOPTOH1450

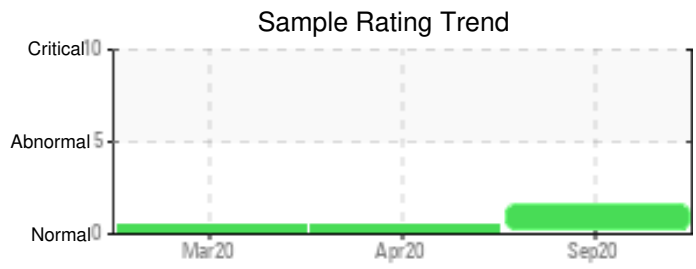
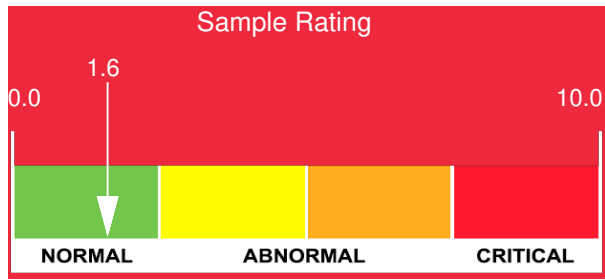
Customer: PTRHTF40037	System Information	Sample Information
KATJANG PEDIC P.C.I BV MARKT 30 ZEELAND SINT MAARTENSDIHK, ZEE NETHERLANDS Attn: Maintenance Manager Tel:	System Volume: 3200 ltr Bulk Operating Temp: 527F / 275C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: ECO PROCESSTECHNIK	Lab No: 02375855 Analyst: Matthias Voss Sample Date: 09/04/20 Received Date: 09/15/20 Completed: 09/21/20 Matthias Voss Matthias.Voss@petrocanadalsp.com

Recommendation: Venting Oil will be necessary to increase Flash point and low boilers (10%). Other parameters are suitable for further use of the fluid.

Comments: COC Flash Point is abnormally low. (GCD) 10% Distillation Point is marginally low.

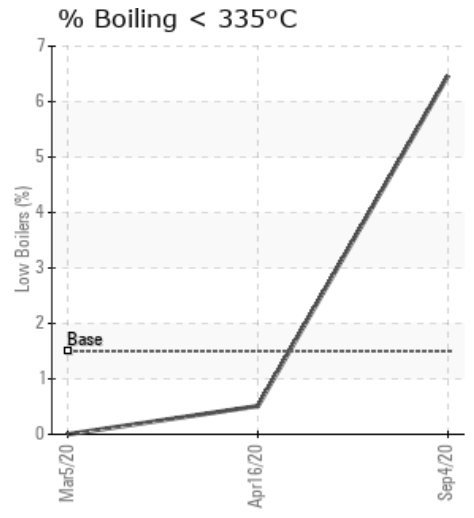
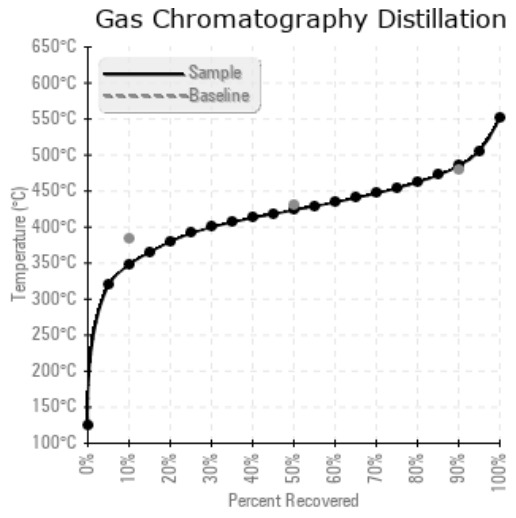
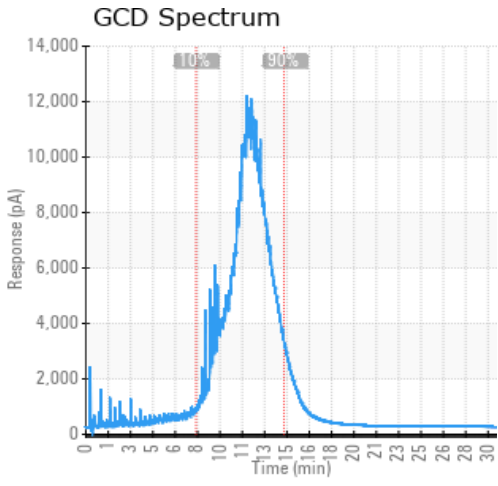
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
09/04/20	09/15/20	6m		356 / 180	18.0	24.2	0.12	0.120	658 / 348	794 / 424	905 / 485	6.47
04/16/20	04/28/20	2m		432 / 222	13.1	34.7	0.76	0.096	725 / 385	811 / 433	904 / 485	0.51
03/05/20	03/11/20	1m		439 / 226	40.7	34.8	0.951	0.296	719 / 382	802 / 428	901 / 483	0.00
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5





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
09/04/20	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
04/16/20	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0
03/05/20	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0
<b>Baseline Data</b>			0	0						0			0	0				0	0				230	

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



### Historical Comments

04/16/20	All parameters meet specification, fluid fit for further use and re-sample at normal frequency
03/05/20	Product tests to specification and all within the normal range. Fluid fit for further use, please re-sample at normal frequency, likely 12 months

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