

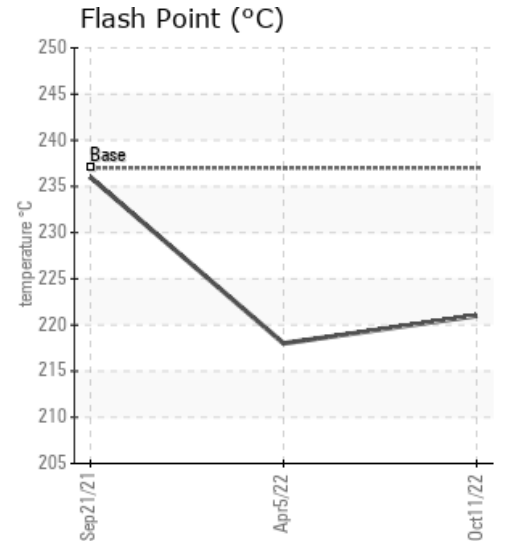
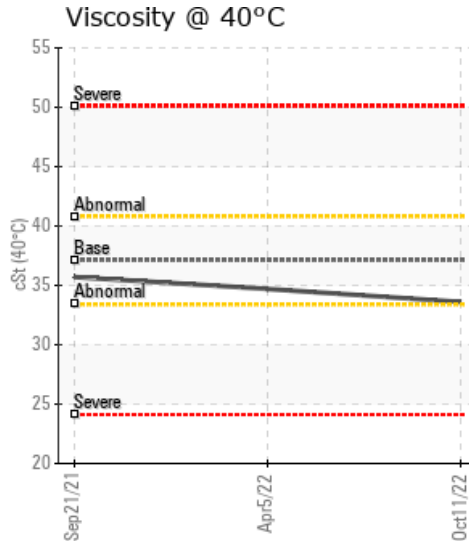
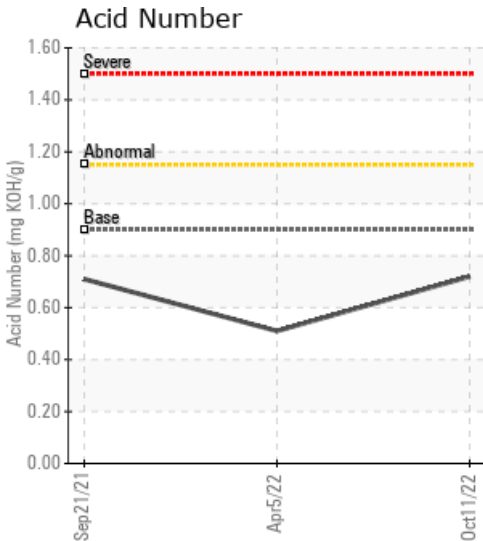
WANSON 850LN

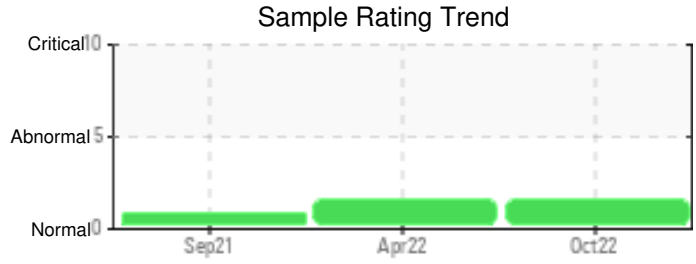
Customer: PTRHTF40043	System Information	Sample Information
MORA PRODUCTIE BV FREGATWEG 53 MAASTRICHT 6222NZ MAASTRICHT, 6222NZ Netherlands Attn: WILBERT SNIJERS Tel: E-Mail: w.snijers@klt.nl	System Volume: 6000 gal Bulk Operating Temp: 536F / 280C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: WANSON	Lab No: 02516484 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 10/11/22 Received Date: 10/17/22 Completed: 10/19/22 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

Recommendation: Likely the iron level is present as the result of some rust/scale in the system. Resample at the next normal sample interval.

Comments: Iron ppm levels are abnormal. (GCD) 90% Distillation Point is abnormally high.

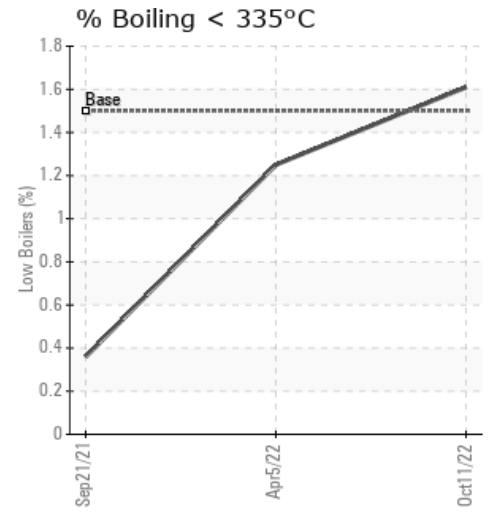
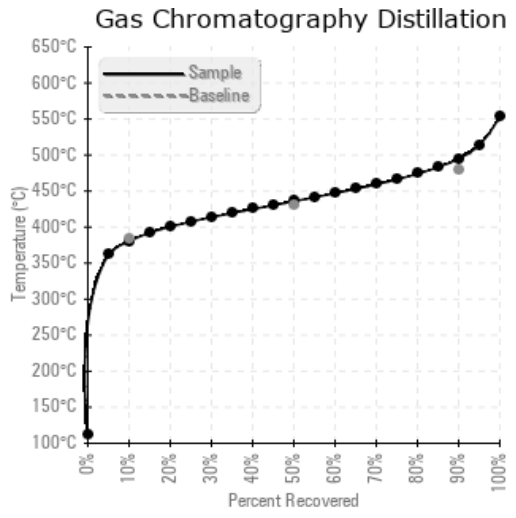
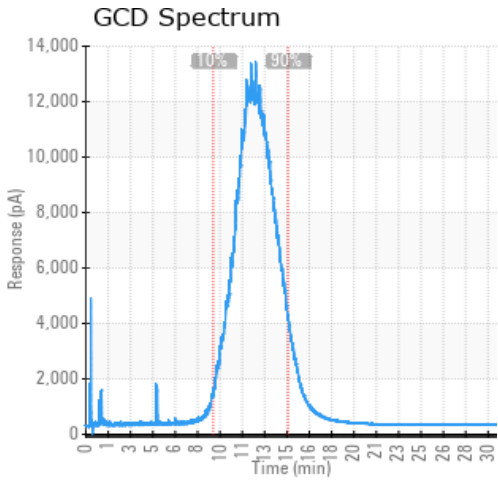
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
10/11/22	10/17/22	15.0m		430 / 221	71.7	33.6	0.72	0.300	717 / 380	816 / 436	923 / 495	1.61
04/05/22	04/12/22	9.0m		424 / 218	40.8	34.7	0.51	0.042	719 / 382	818 / 437	926 / 497	1.25
09/21/21	09/27/21	3.0m		457 / 236	33.0	35.7	0.71	0.242	724 / 384	819 / 437	924 / 496	0.36
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
10/11/22	472	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	3	0	0	0	0	0	203	0
04/05/22	355	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	0	202	0
09/21/21	157	0	0	0	0	0	0	0	0	0	3	3	0	0	2	0	1	0	0	0	4	0	227	2
Baseline Data			0	0						0			0	0				0	0				230	

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



Historical Comments	
04/05/22	Likely the iron level is present as the result of some rust/scale in the system. Iron ppm levels are abnormal. (GCD) 90% Distillation Point is abnormally high.
09/21/21	Oil is fit for further use. Resample at normal interval. (GCD) 90% Distillation Point is abnormally high.

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.