

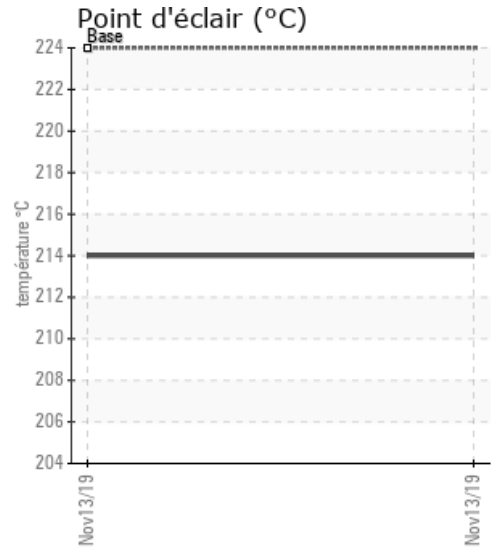
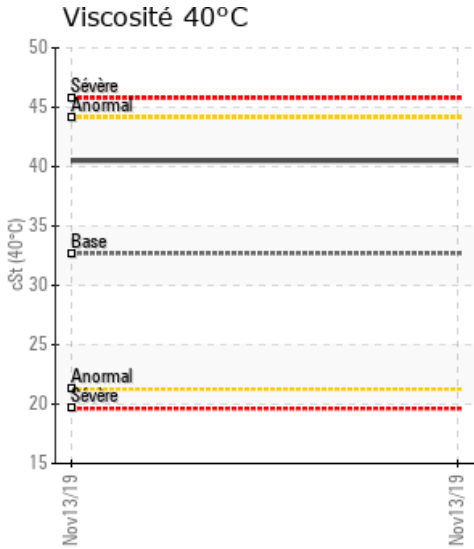
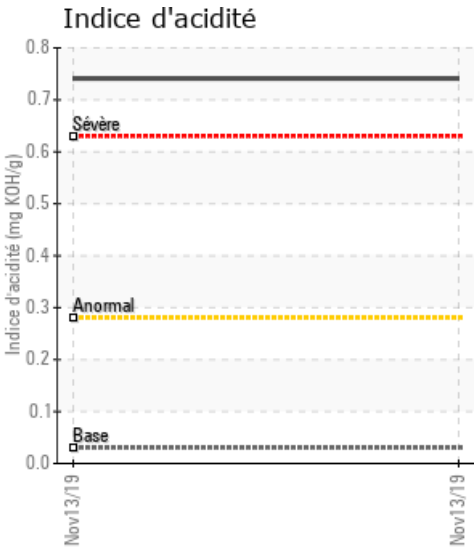
202

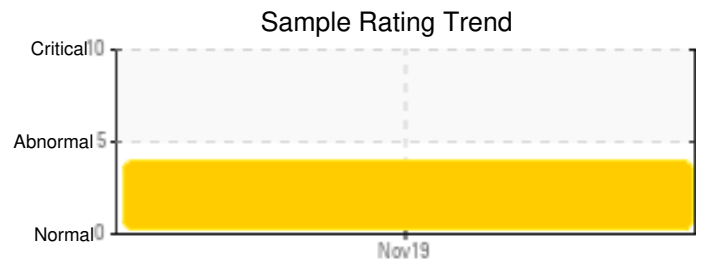
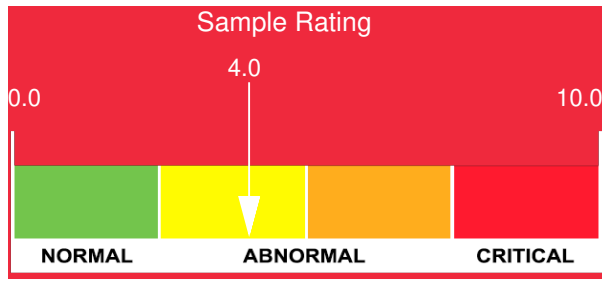
Customer: PTRHTF30151	System Information	Sample Information
LES-ENT-P.E.B. 1190, 1 AVENUE LAC-ST-CHARLES QUEBEC, QC G3G 2S9 Canada Attn: Mike Rheume Tel: (418)849-2841 E-Mail: mikerheume@entpeb.com	System Volume: 2255 ltr Bulk Operating Temp: 325F / 163C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make: HY-WAY	Lab No: 02325829 Analyst: Jean Lacharite Sample Date: 11/13/19 Received Date: 12/09/19 Completed: 01/15/20

Recommendation: il y a une elevation du fer, du AN et de la viscosite qui devraient etre pret de 32 Cst. La courbe est normal et le GCD aussi, mais on semble avoir une augmentation de l'oxidation de la Calflo AF, refaire une analyse prise dans un secteur different dans 4-5 mois.

Comments:

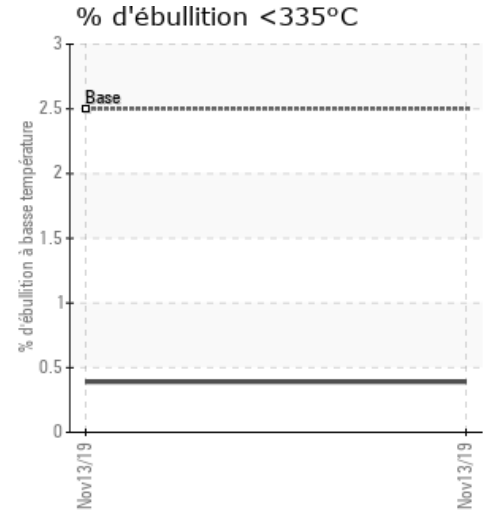
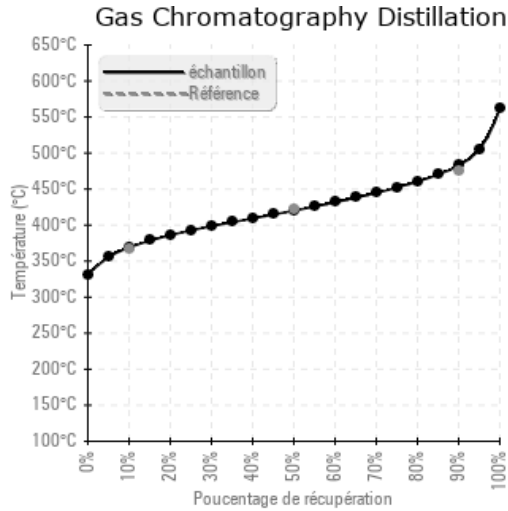
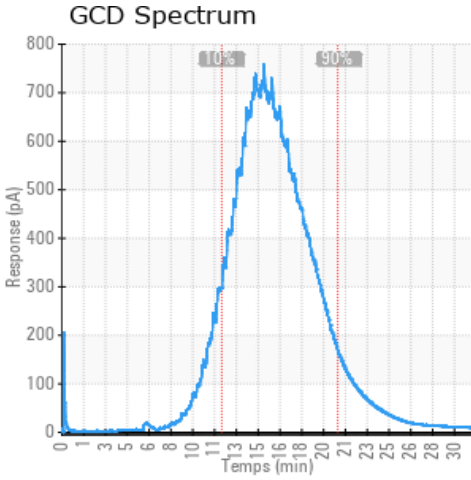
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
11/13/19	12/09/19	7y		417 / 214	24.1	40.5	0.741	0.534	696 / 369	788 / 420	901 / 483	0.39
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5





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
11/13/19	11	0	0	0	2	0	0	0	0	0	6	0	0	0	0	0	0	0	0	1	10	0	111	5
Baseline Data			0	0						0			0	0					0					270

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



Historical Comments

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.