

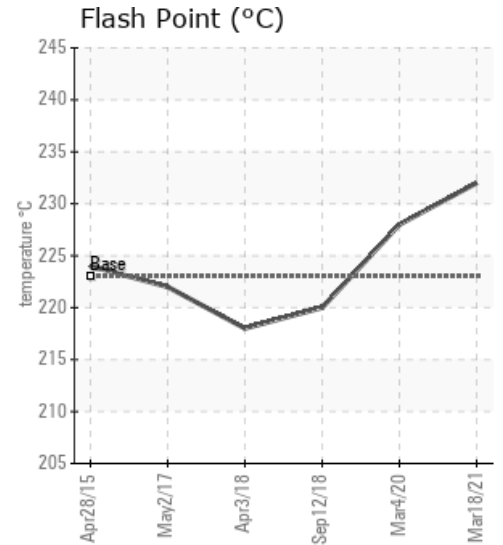
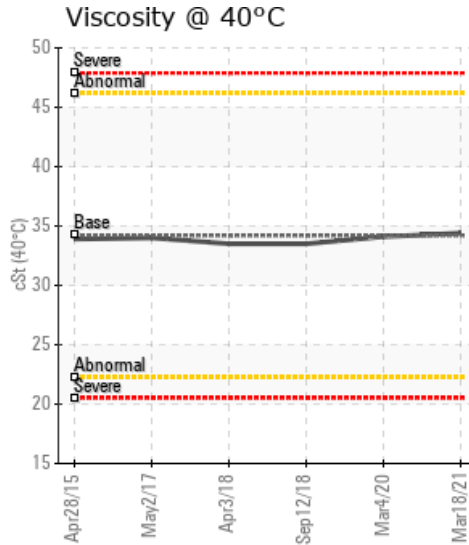
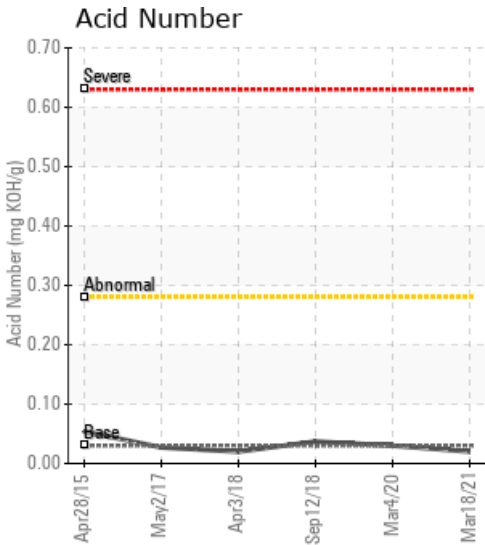
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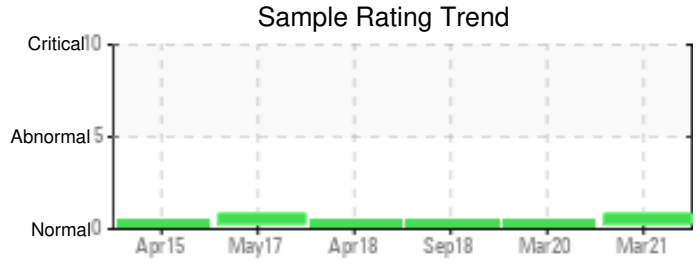
Customer: PTRHTF30038	System Information	Sample Information
BUILDING PRODUCTS OF CANADA 9510 ST PATRICK STREET LASALLE, QC H8R 1R9 Canada Attn: Jonathan Veronneau Tel: E-Mail: jveronneau@bpcan.com	System Volume: 202.5 ltr Bulk Operating Temp: 475F / 246C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: ELEMENT ELECTRIQUE	Lab No: 02411583 Analyst: Jean Lacharite Sample Date: 03/18/21 Received Date: 03/26/21 Completed: 04/14/21 Jean Lacharite jean.lacharite@hollyfrontier.com

Recommendation: results are good, continue the operation

Comments:

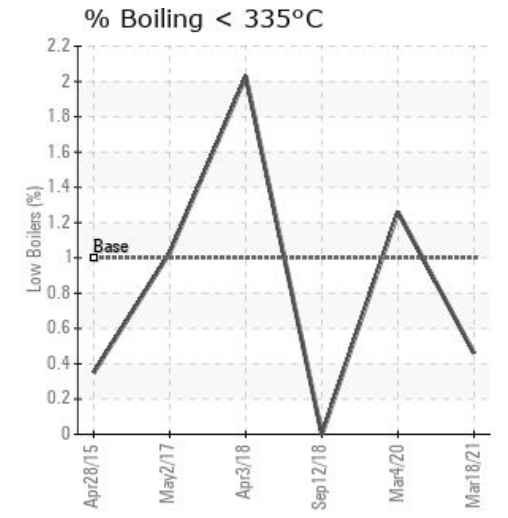
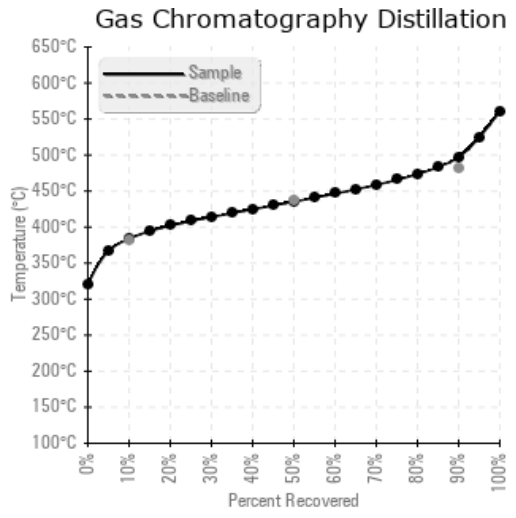
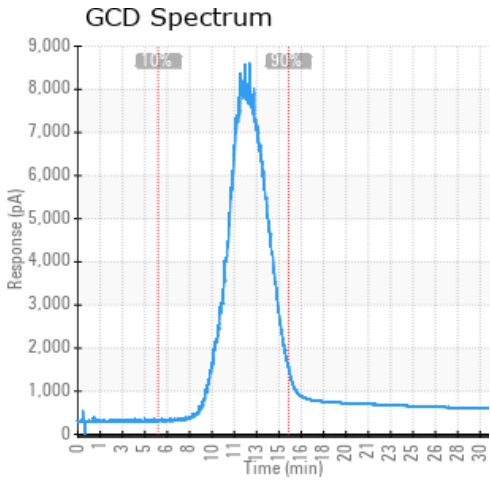
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
03/18/21	03/26/21	0.0m	dans le circuit	450 / 232	5.9	34.4	0.02	0.029	723 / 384	816 / 435	926 / 497	0.46
03/04/20	06/04/20	3.0m	DANS LE CURCUI	442 / 228	21.0	34.1	0.03	0.071	724 / 385	813 / 434	902 / 483	1.26
09/12/18	09/17/18	0.0m		428 / 220	8.1	33.5	0.037	0.040	735 / 390	809 / 431	903 / 484	0.00
04/03/18	05/03/18	0.0m		424 / 218	11.7	33.5	0.02	0.036	716 / 380	810 / 432	911 / 488	2.03
05/02/17	05/12/17	0.0m	ENTREE DE LA POMPE	432 / 222	8.0	34.0	0.027	0.134	719 / 382	812 / 433	924 / 496	1.03
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
03/18/21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03/04/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/12/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04/03/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05/02/17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
03/04/20	l'huile est OK, pour usage continue. Reprendre un échantillon à la date prévue.
09/12/18	Le fluide est ok pour usage continue. Reprendre un échantillon à l'intervalle prévu.
04/03/18	Reprendre un échantillon à intervalle normal
05/02/17	On note une légère augmentation des Fractions Lourdes (GCD @90%), une augmentation des Fractions Lourdes engendre une augmentation de la viscosité et favorise la formation de dépôt de carbone. (GCD) 90% Distillation Point is marginally high.

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