

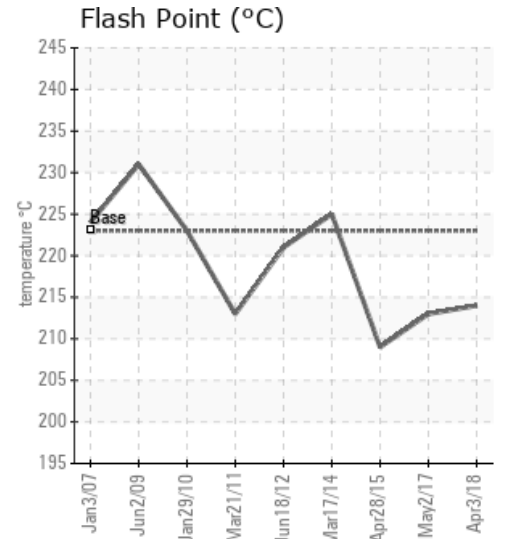
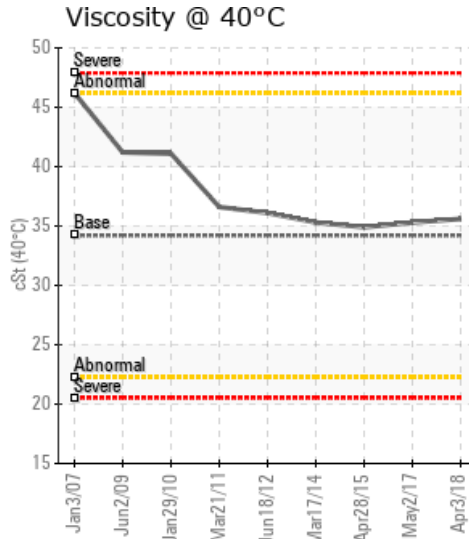
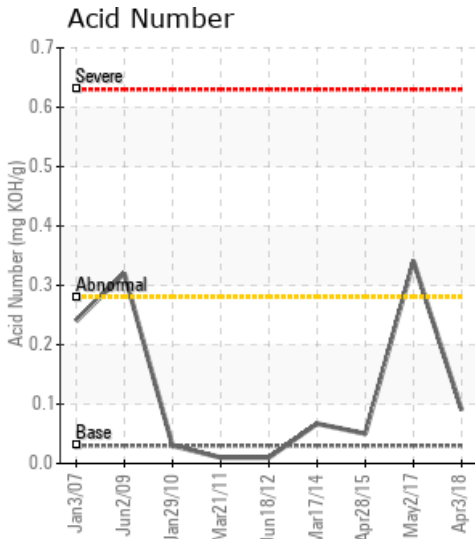
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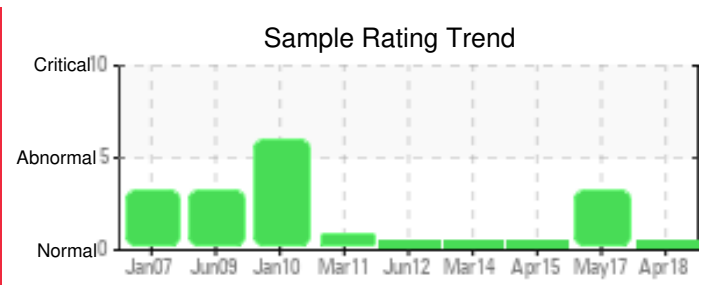
Customer: PTRHTF30038	System Information	Sample Information
BUILDING PRODUCTS OF CANADA 9510 ST PATRICK STREET LASALLE, QC H8R 1R9 CANADA Attn: Samuel Denault Tel: (514)364-7550 E-Mail: SDENAULT@BPCAN.COM	System Volume: 1215 ltr Bulk Operating Temp: 238F / 114C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: ACME	Lab No: 02214058 Analyst: Pierre Castagne Sample Date: 04/03/18 Received Date: 05/03/18 Completed: 05/07/18 To discuss this report contact Pierre Castagne at 450-981-0693

Recommendation: Reprendre un échantillon à intervalle normal.

Comments:

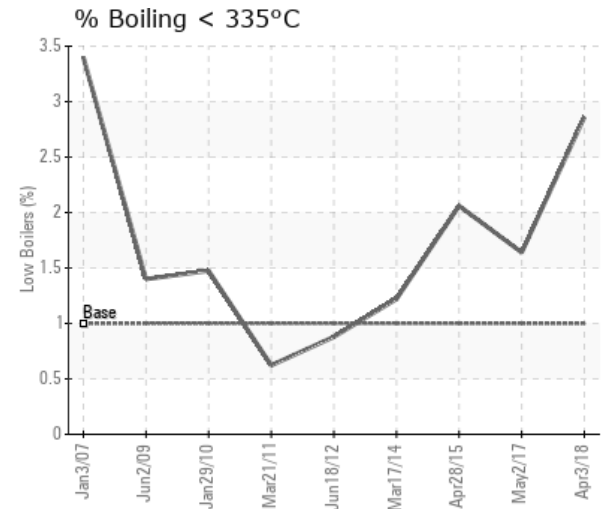
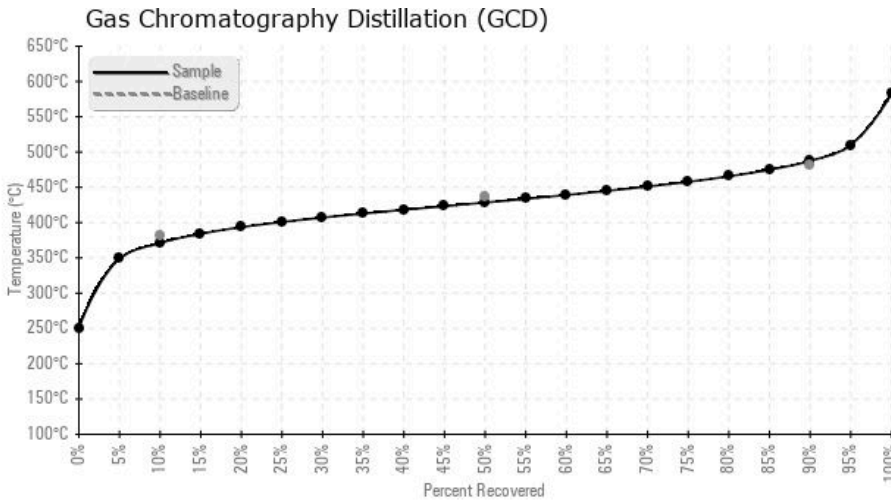
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
04/03/18	05/03/18	0y		417 / 214	4.8	35.6	0.09	0.250	700 / 371	803 / 428	910 / 488	2.86
05/02/17	05/12/17	0y	LIGNE DE PRESSION	415 / 213	17.2	35.3	0.341	0.149	714 / 379	815 / 435	926 / 497	1.64
04/28/15	05/01/15	1y	VLV SUR TUYAN ENT PP	408 / 209	6.7	34.9	0.05	0.082	706 / 375	809 / 432	923 / 495	2.06
03/17/14	03/21/14	1y		437 / 225	10.9	35.3	0.067	0.141	715 / 379	814 / 434	917 / 492	1.22
06/18/12	07/12/12			430 / 221	2	36.1	0.01	0.035	717 / 380	802 / 428	896 / 480	0.879
03/21/11	04/04/11		ON THE PRESSURE LINE	415 / 213	11	36.6	0.01	0.017	722 / 383	813 / 434	908 / 487	0.622
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
04/03/18	2	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	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
04/28/15	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
03/17/14	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
06/18/12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0
03/21/11	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	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	
05/02/17	L'acidité est élevée, les Fractions Lourdes GCD @90%) sont élevés, une augmentation des Fractions Lourdes engendre une augmentation de la viscosité et favorise la formation de dépôt de carbone. Acid Number (AN) is abnormally high. (GCD) 90% Distillation Point is marginally high.
04/28/15	Les fractions lourdes sont légèrement élevés (GCD 90%) (GCD) 90% Distillation Point is marginally high.
03/17/14	Les propriétés de l'huile semblent normales. SVP continuez à échantillonner les systèmes régulièrement
06/18/12	Les propriétés de l'huile semblent normales. Le point d'éclair est semblable à l'huile neuve, viscosité est normale, le nombre d'acidité est très bas. SVP continuez à échantillonner les systèmes régulièrement.
03/21/11	

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