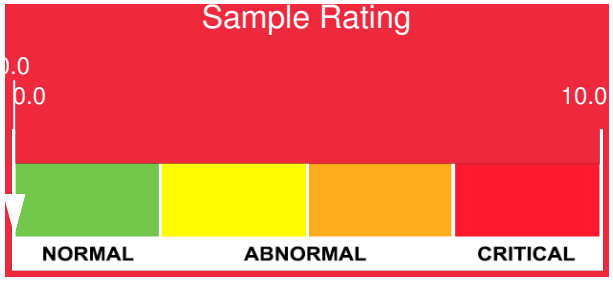
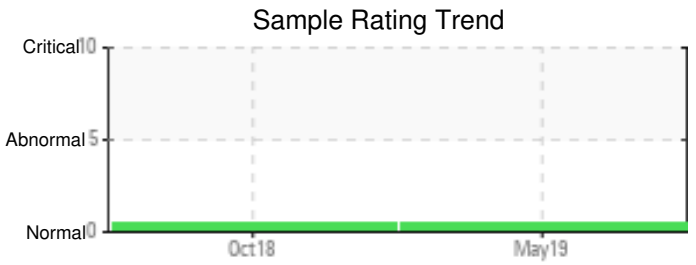




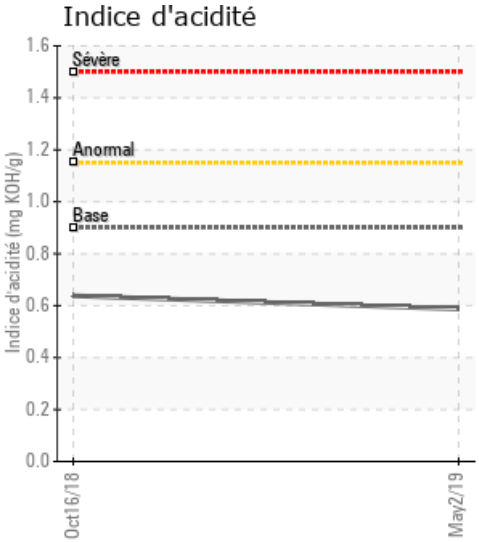
FRITEUSE 2

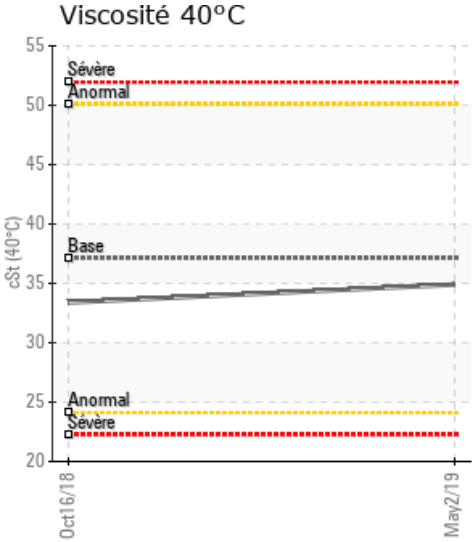
Customer: PTRHTF40128	System Information	Sample Information
Lube & Fluid 30 Rue Andre Sentuc 69200 Venissieux, France Attn: Laurent Coust Tel: (082)589-8904 E-Mail: laurent.coust@lubeandfluid.com	System Volume: 12000 ltr Bulk Operating Temp: 482F / 250C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make:	Lab No: 02287921 Analyst: Philip Riley Sample Date: 05/02/19 Received Date: 05/29/19 Completed: 05/31/19

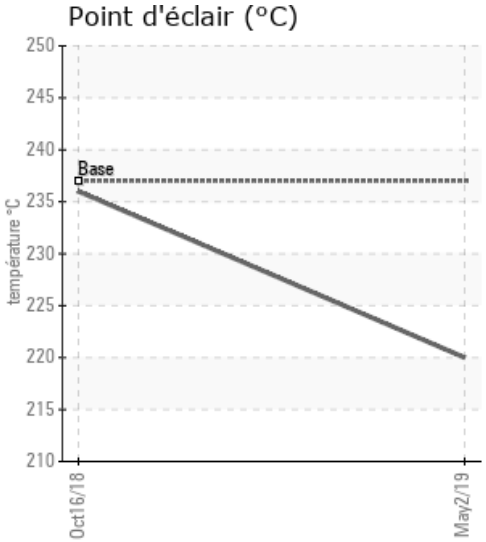
Recommendation: All parameters within acceptable limits. Fluid fit for further use

Comments:

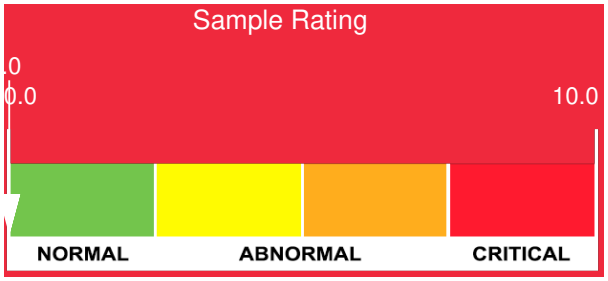
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/02/19	05/29/19	0h		428 / 220	10.0	34.9	0.587	0.099	720 / 382	809 / 432	906 / 485	1.13
10/16/18	12/07/18	0h		457 / 236	17.4	33.4	0.638	0.057	718 / 381	805 / 429	898 / 481	1.46
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5

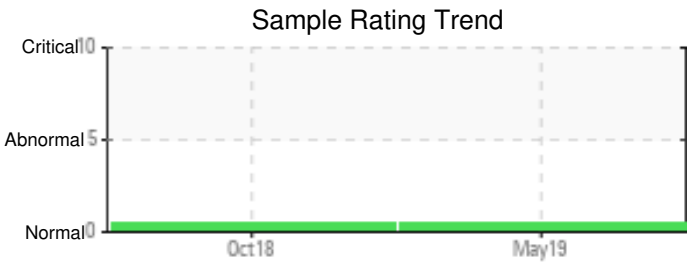






PETRO-CANADA LUBRICANTS

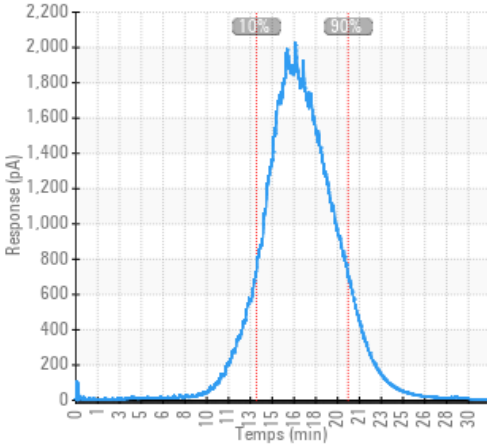




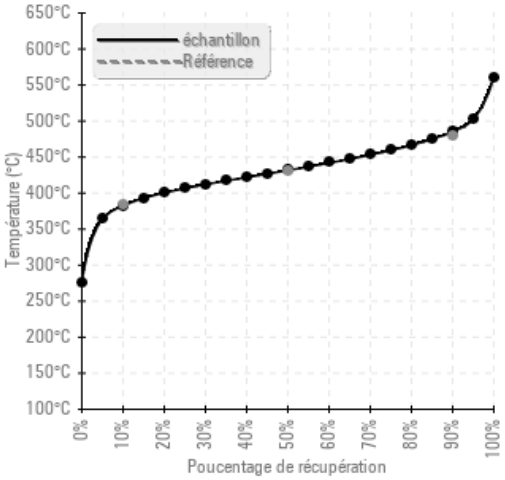
Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
05/02/19	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	3	0	8	0
10/16/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2
Baseline Data			0	0						0			0	0					0				230	

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

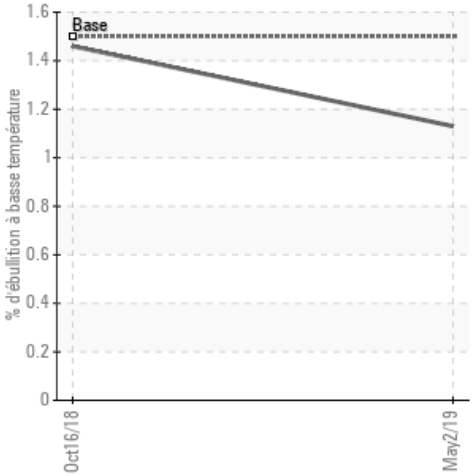
GCD Spectrum



Gas Chromatography Distillation



% d'ébullition <335°C



Historical Comments

10/16/18	All parameters meet those for fresh oil. Please re-sample at next scheduled frequency