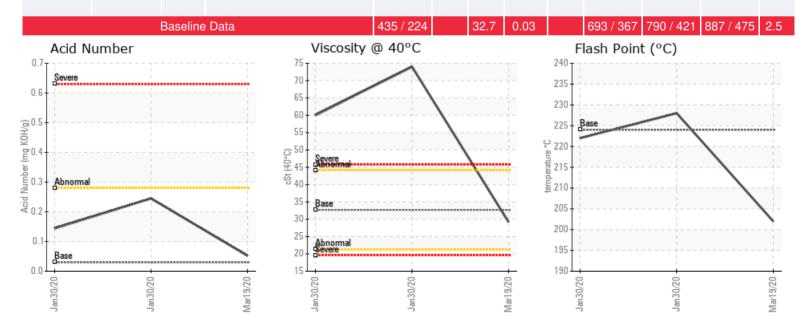


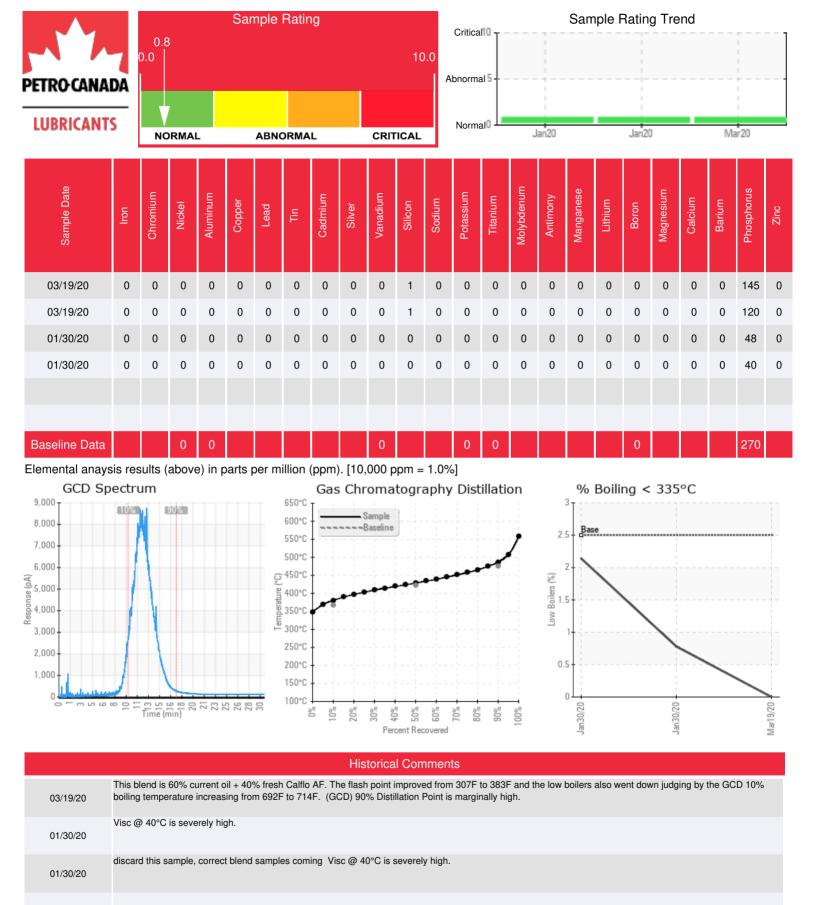
Customer: PTRHTF10068	System Information	Sample Information
Certainteed - Saint Gobain	System Volume: 5000 gal	Lab No: 02345493
1077 PLEASANT ST	Bulk Operating Temp: 560F / 293C	Analyst: Gaston Arseneault
NORWOOD, MA 02062 USA	Heating Source:	Sample Date: 03/19/20
Attn: David Fletcher	Blanket:	Received Date: 03/24/20
Tel: (781)551-0656	Fluid: PETRO CANADA CALFLO AF	Completed: 04/08/20
E-Mail: david.r.fletcher@saint-	Make: A.M.KINNEY	Gaston Arseneault
gobain.com		gaston.arseneault@petrocanadalsp.com

Recommendation: This blend is 50% current oil + 50% fresh Calflo AF. The flash point improved from 307F to 396F (the 40% Calflo AF addition raised the flash point to 383F). The low boilers also went down judging by the GCD 10% boiling temperature increasing from 692F to 716F (the 40% addition raised the GCD 10% to 714F).

Comments: (GCD) 90% Distillation Point is marginally 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	%
03/19/20	03/24/20	7y	UIP HEATER	396 / 202	4.1	29.2	0.052	0.083	717 / 380	803 / 429	907 / 486	0.00
03/19/20	03/24/20	7у	UIP HEATER	383 / 195	10.0	28.6	0.045	0.089	715 / 379	803 / 428	907 / 486	0.00
01/30/20	02/11/20	6у	DUPLEX FILTERS	442 / 228	18.6	74.0	0.245	0.106	696 / 369	792 / 422	896 / 480	0.78
01/30/20	02/11/20	17y	DUPLEX FILTERS	432 / 222	22.2	60.0	0.144	0.050	690 / 365	791 / 422	899 / 482	2.14





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