

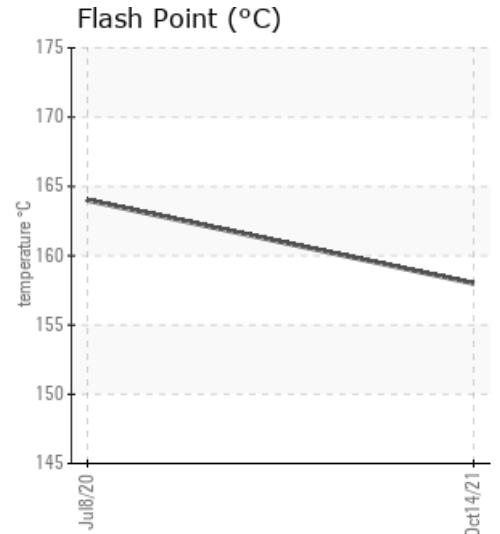
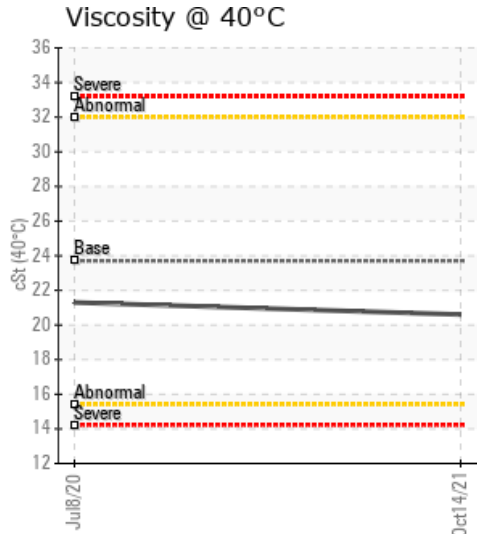
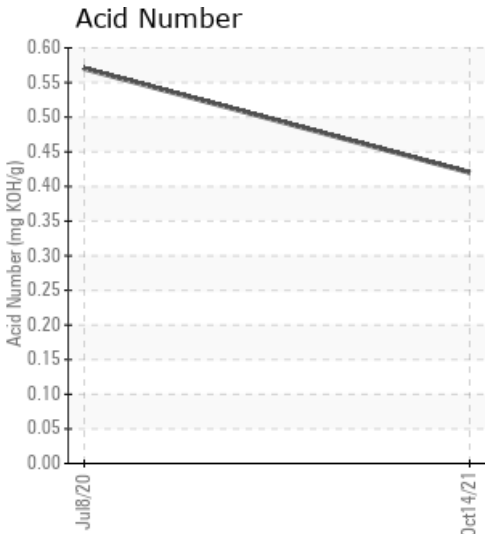
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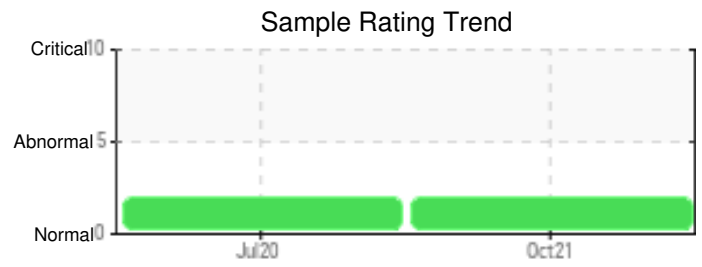
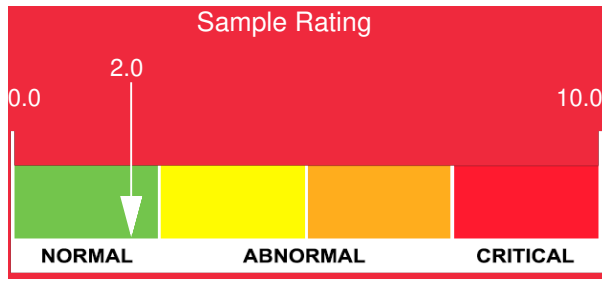
Customer: PTRHTF60010	System Information	Sample Information
SYNLUBE INTERNATIONAL CO LTD 76/1 MOO.7 THACHIN MUANG SAMUTSAKHON, 74000 THAILAND Attn: CHERNPORN CHOBKUI Tel: 034421290 E-Mail: chernporn@synlube.co.th	System Volume: 30000 ltr Bulk Operating Temp: 518F / 270C Heating Source: Blanket: Fluid: EASTMAN THERMINOL XP Make:	Lab No: 02452570 Analyst: Bill Quesnel CLS, OMA II, MLA-III, LLA-I Sample Date: 10/14/21 Received Date: 10/28/21 Completed: 11/03/21 Bill Quesnel CLS, OMA II, MLA-III, LLA-I

Recommendation: This is not a Petro-Canada Lubricants product and cannot comment with accuracy on the chemistry here. I can state that from the GCD Distillation, the line shows evidence of thermal cracking. Resample at next interval to monitor.

Comments: (GCD) 90% Distillation Point is severely high.

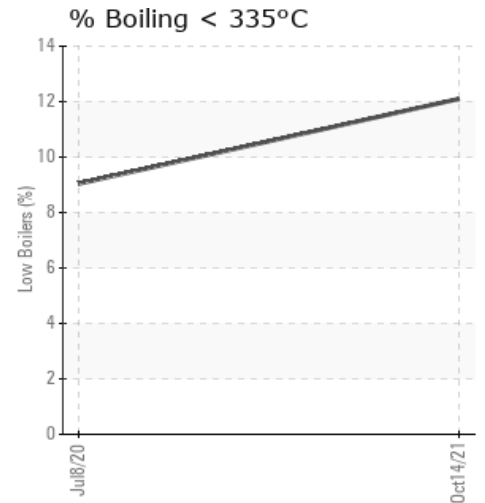
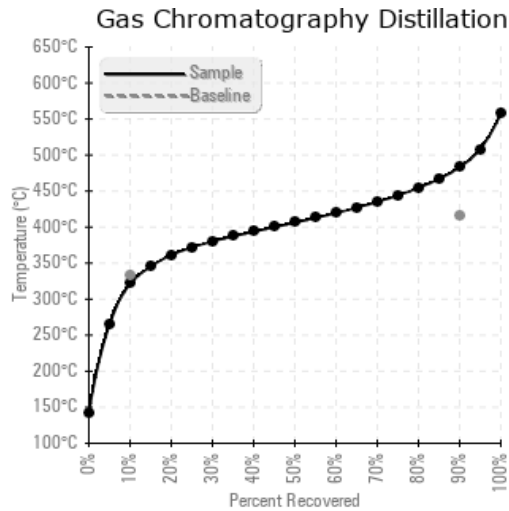
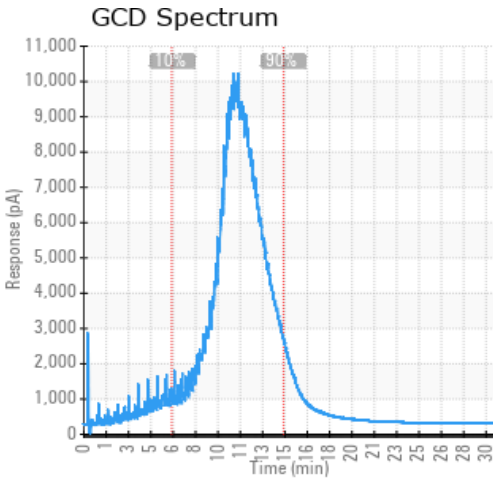
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
10/14/21	10/28/21	36.0m	Firer No. 8	316 / 158	125.5	20.6	0.42	0.295	610 / 321	763 / 406	901 / 483	12.10
07/08/20	08/25/20	24.0m		327 / 164	37.1	21.3	0.57	0.278	639 / 337	769 / 409	901 / 483	9.04
Baseline Data				360 / 182		23.7			630 / 332		781 / 416	





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
10/14/21	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/08/20	3	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

07/08/20	This is not a Petro-Canada Lubricants product and cannot comment with accuracy on the chemistry here. I can state that from the GCD Distillation, the line shows evidence of thermal cracking (GCD) 90% Distillation Point is severely high.
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