

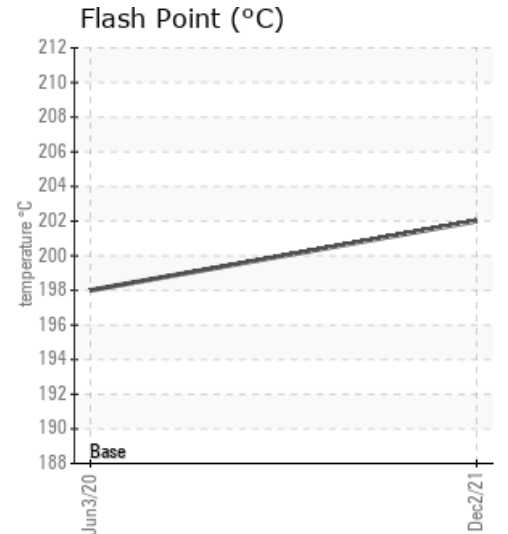
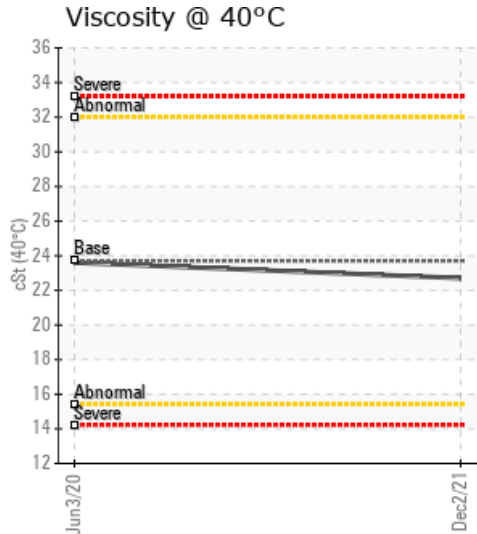
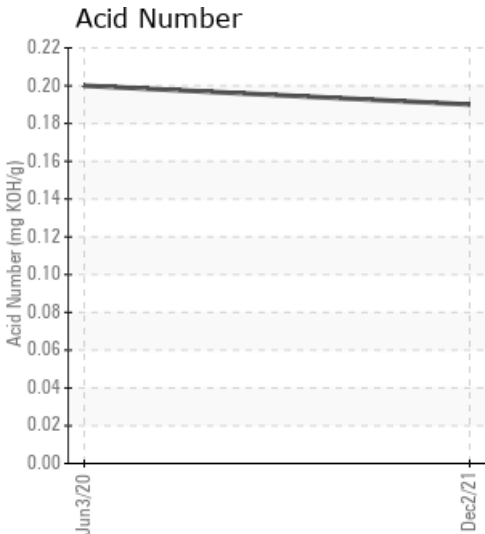
THAI FOOD (THAILAND)

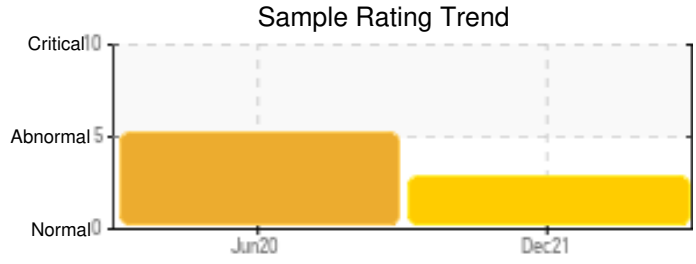
Customer: PTRHTF60010	System Information	Sample Information
SYNLUBE INTERNATIONAL CO LTD 76/1 MOO.7 THACHIN MUANG SAMUTSAKHON, 74000 THAILAND Attn: CHERNPORN CHOBKUI Tel: 034421290 E-Mail: chernporn@synlube.co.th	System Volume: 17750 ltr Bulk Operating Temp: 554F / 290C Heating Source: Blanket: Fluid: EASTMAN THERMINOL XP Make: WANSON	Lab No: 02463465 Analyst: Philip Riley Sample Date: 12/02/21 Received Date: 12/21/21 Completed: 01/04/22 Philip Riley philip.riley@hollyfrontier.com

Recommendation: Not Petro-Canada Lubricants product therefore unfamiliar with the chemistry. Most parameters seem in line with previous samples.

Comments: (GCD) 90% Distillation Point is severely high. (GCD) 10% Distillation Point is abnormally high.

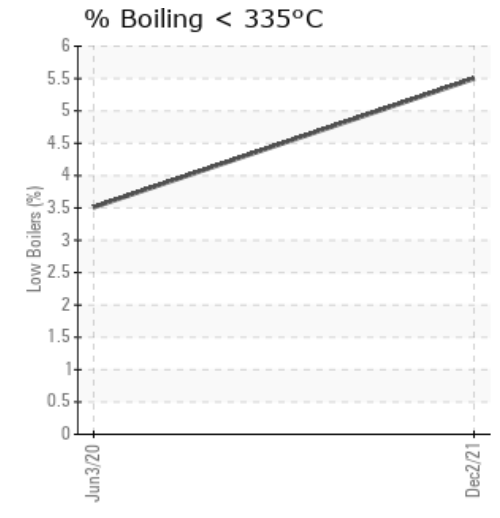
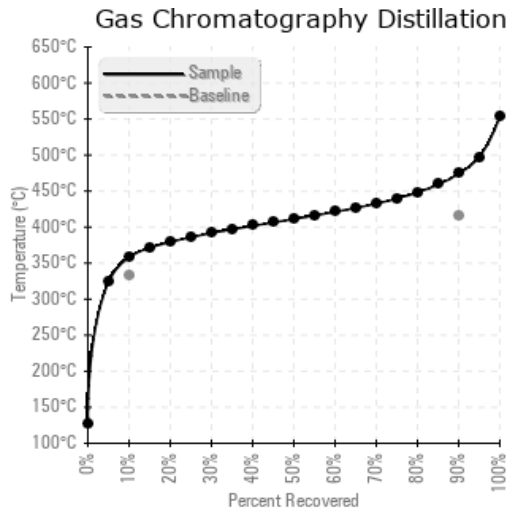
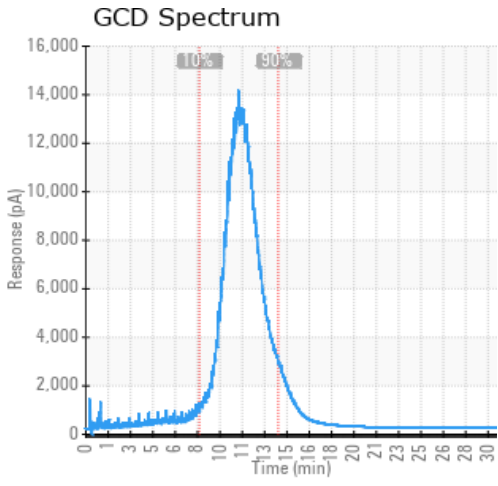
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
12/02/21	12/21/21	4.0y		396 / 202	9.3	22.7	0.19	0.060	677 / 359	772 / 411	885 / 474	5.50
06/03/20	06/24/20	0.0y	SUPPLY	388 / 198	26.5	23.6	0.20	0.107	690 / 366	775 / 413	883 / 473	3.51
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
12/02/21	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06/03/20	8	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

06/03/20	Not at Petro-Canada fluid and have no insight into the chemistry to compare and diagnose accurately. There are flags on the Distillation and there is a build of insolubles in the fluid. (GCD) 10% Distillation Point is severely high. (GCD) 90% Distillation Point is severely high.

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