

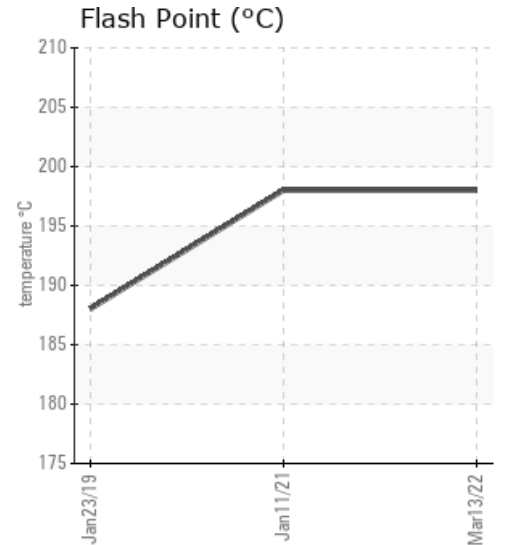
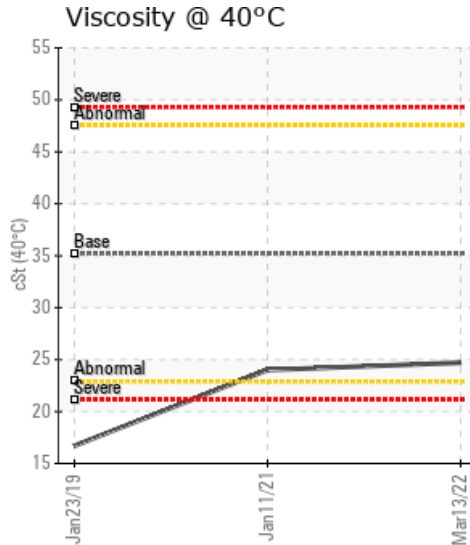
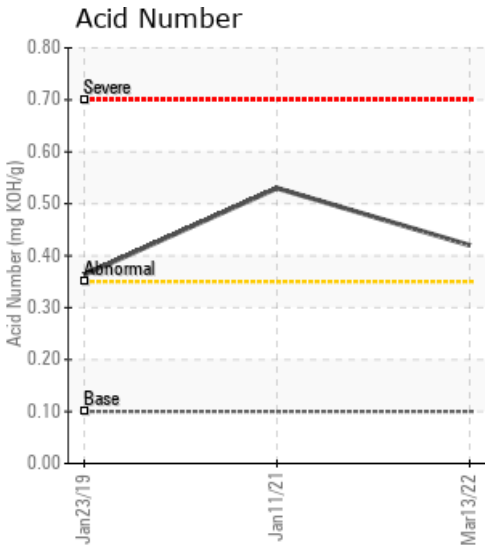
## EAIM ESAN LINE 2

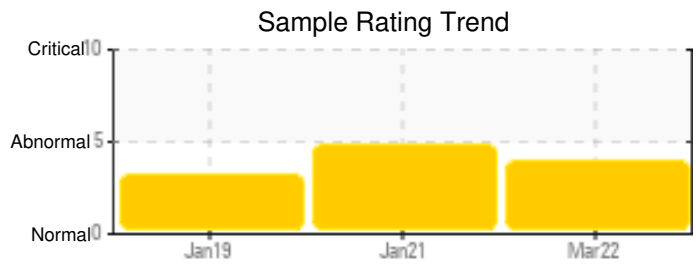
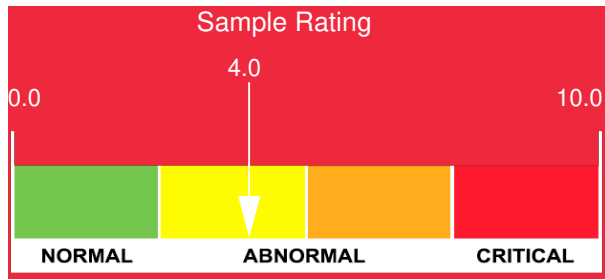
Customer: PTRHTF60010	System Information	Sample Information
SYNLUBE INTERNATIONAL CO LTD 76/1 MOO.7 THACHIN MUANG SAMUTSAKHON, 74000 THAILAND Attn: CHERNPORN CHOBKUI Tel: 034421290 E-Mail: chernporn@synlube.co.th	System Volume: 10295 ltr Bulk Operating Temp: 554F / 290C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO HTF Make: WANSON	Lab No: 02480435 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 03/13/22 Received Date: 03/30/22 Completed: 04/08/22 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

Recommendation: Viscosity low and some evidence of thermal cracking looking at the GCD Curve. Flash Point is marginally low and not of immediate concern. Need to investigate why the viscosity is so low

Comments:

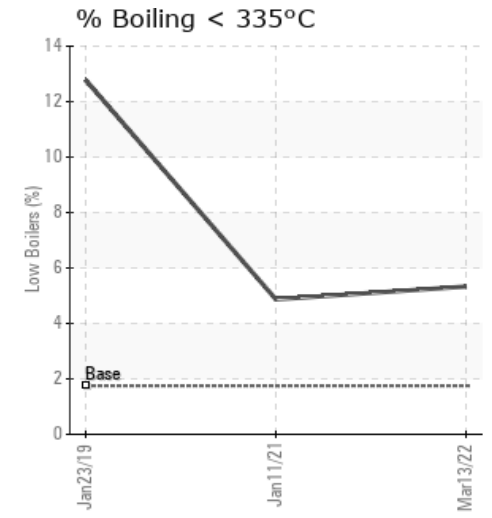
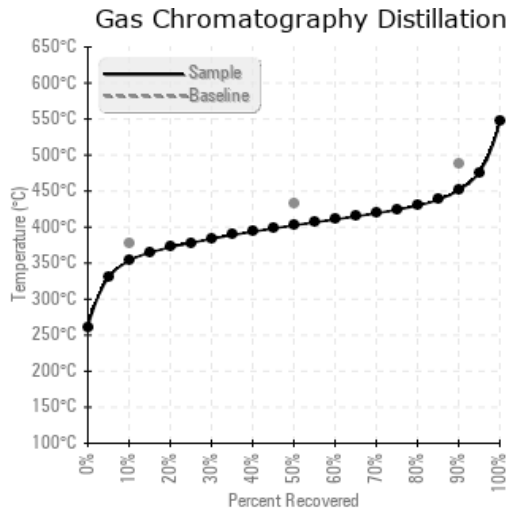
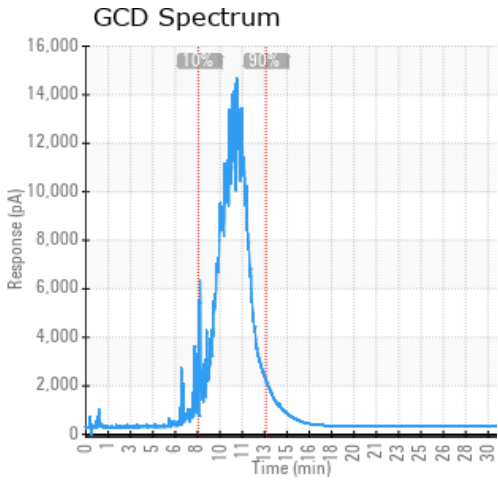
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
03/13/22	03/30/22	27.0m	supply return	388 / 198	25.3	24.7	0.42	0.083	668 / 354	756 / 402	844 / 451	5.33
01/11/21	01/25/21	15.0m		388 / 198	22.5	24.0	0.53	0.125	671 / 355	755 / 402	835 / 446	4.87
01/23/19	02/27/19	6.0m	SUPPLY RETURN	370 / 188	15.6	16.7	0.363	0.067	629 / 332	685 / 363	787 / 420	12.78
Baseline Data				448 / 231		35.20	.1		712 / 378	810 / 432	910 / 488	1.75





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
03/13/22	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	0
01/11/21	26	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	6	0	0
01/23/19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Baseline Data			0	0						0			0	0				0	0				280	

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



Historical Comments	
01/11/21	Viscosity low and some evidence of thermal cracking looking at the GCD Curve. FLASH Pt is marginally low and not of immediate concern. Need to investigate why the viscosity is so low
01/23/19	The current fluid has normal flash point. The contaminant levels are all low. The viscosity is lower than the fresh oil, but it is still acceptable. The fluid has experienced moderate oxidation due to the elevated acid number. Please continue to run the fluid and take one sample in 12 months to monitor the conditions. Acid Number (AN) is high. (GCD) % < 335°C is high.

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