

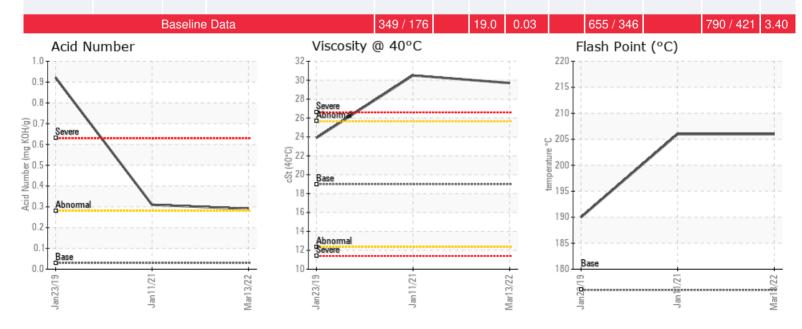
EAIM ESAN LINE 1

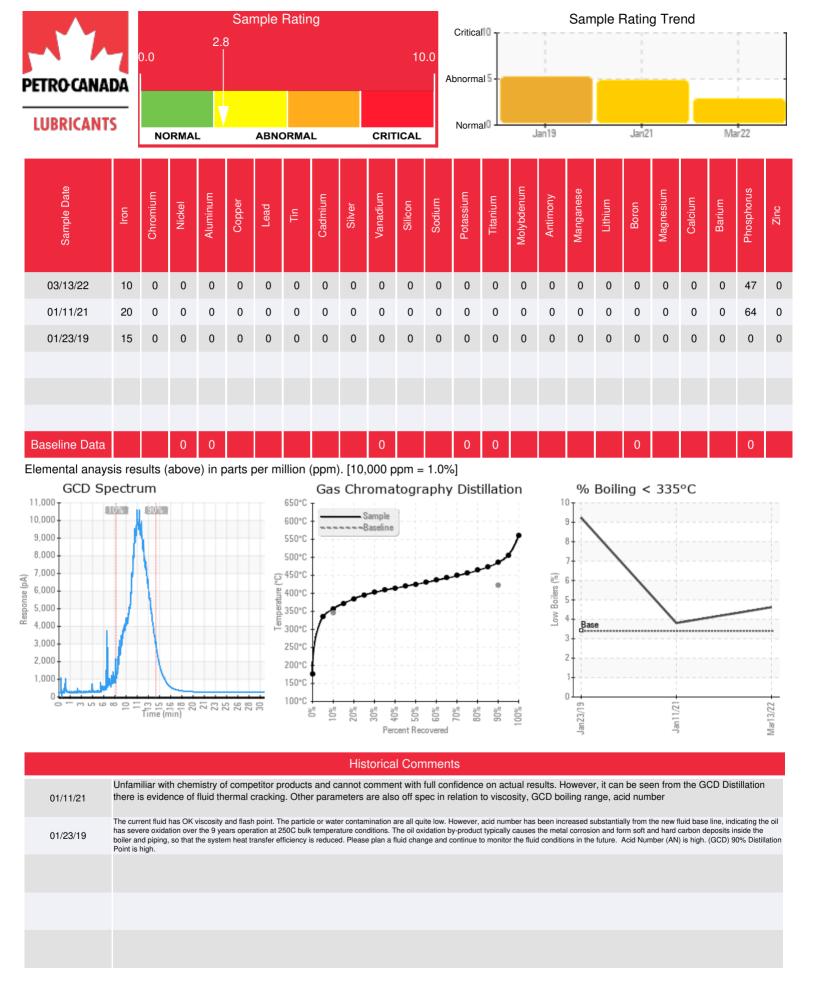
Customer: PTRHTF60010	System Information	Sample Information			
SYNLUBE INTERNATIONAL CO LTD	System Volume: 11275 ltr	Lab No: 02480436			
76/1 MOO.7 THACHIN	Bulk Operating Temp: 554F / 290C	Analyst: Philip Riley			
MUANG SAMUTSAKHON, 74000	Heating Source:	Sample Date: 03/13/22			
THAILAND	Blanket:	Received Date: 03/30/22			
Attn: CHERNPORN CHOBKUI	Fluid: EASTMAN THERMINOL 55	Completed: 04/05/22			
Tel: 034421290	Make:	Philip Riley			
E-Mail: chernporn@synlube.co.th		philip.riley@hollyfrontier.com			

Recommendation: Competitor product and unfamiliar with the chemistry. Highlights increase in viscosity and acid number, which is evidence of breakdown. The oil thickening will require more heat to be used to get the same out, the flow will be worse and it will accelerate the degradation of the fluid.

Comments: (GCD) 90% Distillation Point is severely high. Visc @ 40°C is severely high. Acid Number (AN) is abnormally high. COC Flash 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	%
03/13/22	03/30/22	27.0m	supply return	403 / 206	23.8	29.7	0.29	0.104	674 / 357	797 / 425	905 / 485	4.62
01/11/21	01/25/21	15.0m		403 / 206	19.5	30.5	0.31	0.177	680 / 360	799 / 426	905 / 485	3.81
01/23/19	02/27/19	9.0m	SUPPLY ROOM	374 / 190	49.7	23.9	0.921	0.148	636 / 335	693 / 367	835 / 446	9.23





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