

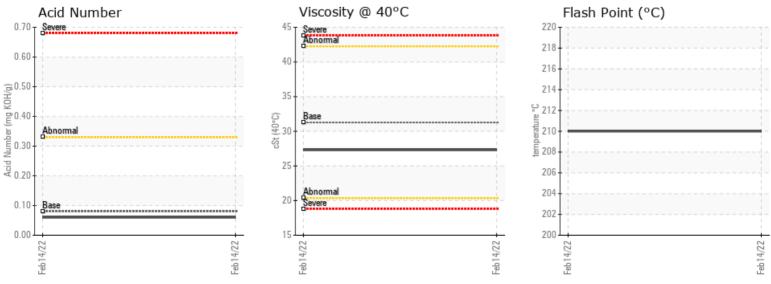
ADVANCE FIBER CO., LTD

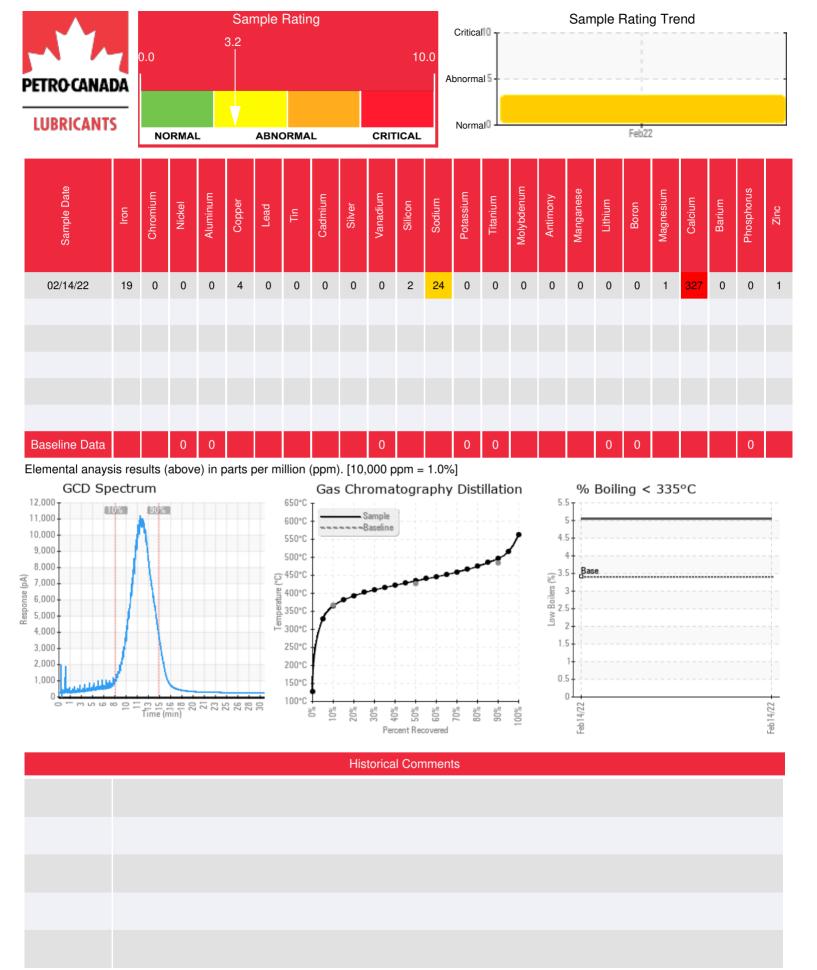
Customer: PTRHTF60010	System Information	Sample Information			
SYNLUBE INTERNATIONAL CO LTD	System Volume: 200000 ltr	Lab No: 02477392			
76/1 MOO.7 THACHIN	Bulk Operating Temp: 536F / 280C	Analyst: Philip Riley			
MUANG SAMUTSAKHON, 74000	Heating Source:	Sample Date: 02/14/22			
THAILAND	Blanket:	Received Date: 03/15/22			
Attn: CHERNPORN CHOBKUI	Fluid: IDEMITSU DAPHNE THERMIC OIL 32-S	Completed: 03/21/22			
Tel: 034421290	Make:	Philip Riley			
E-Mail: chernporn@synlube.co.th		philip.riley@hollyfrontier.com			

Recommendation: Unfamiliar with the chemistry of the product here, however, there is concern on the level of calcium and sodium in the sample. Has there been top up with wrong fluid or has something migrated into the thermal oil from the system showing there may be a leak of some kind. Please check system thoroughly for any way there could be migration into the oil

Comments: Calcium ppm levels are severely high. Sodium ppm levels are abnormally high. (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	%
02/14/22	03/15/22	4.0y		410 / 210	36.0	27.3	0.06	0.224	688 / 365	813 / 434	926 / 496	5.05
		Baseline	Data	439 / 226		31.27	0.08		693 / 367	799 / 426	903 / 484	3.4





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