

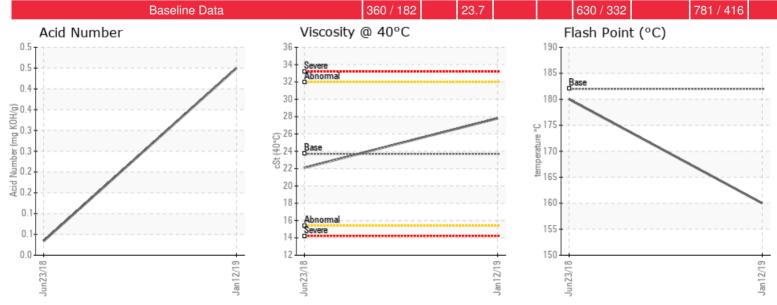
KAONA FUTHER 1

Customer: PTRHTF60010	System Information	Sample Information			
SYNLUBE INTERNATIONAL CO LTD 76/1 MOO.7 THACHIN	System Volume: 4400 ltr Bulk Operating Temp: 545F / 285C	Lab No: 02264070 Analyst: Yutong Gao			
MUANG SAMUTSAKHON, 74000	Heating Source:	Sample Date: 01/12/19			
THAILAND Attn: CHERNPORN CHOBKUI	Blanket: Fluid: MONSANTO THERMINOL XP	Received Date: 01/23/19			
Tel: 034421290	Make:	Completed: 01/24/19			
E-Mail: chernporn@synlube.co.th					

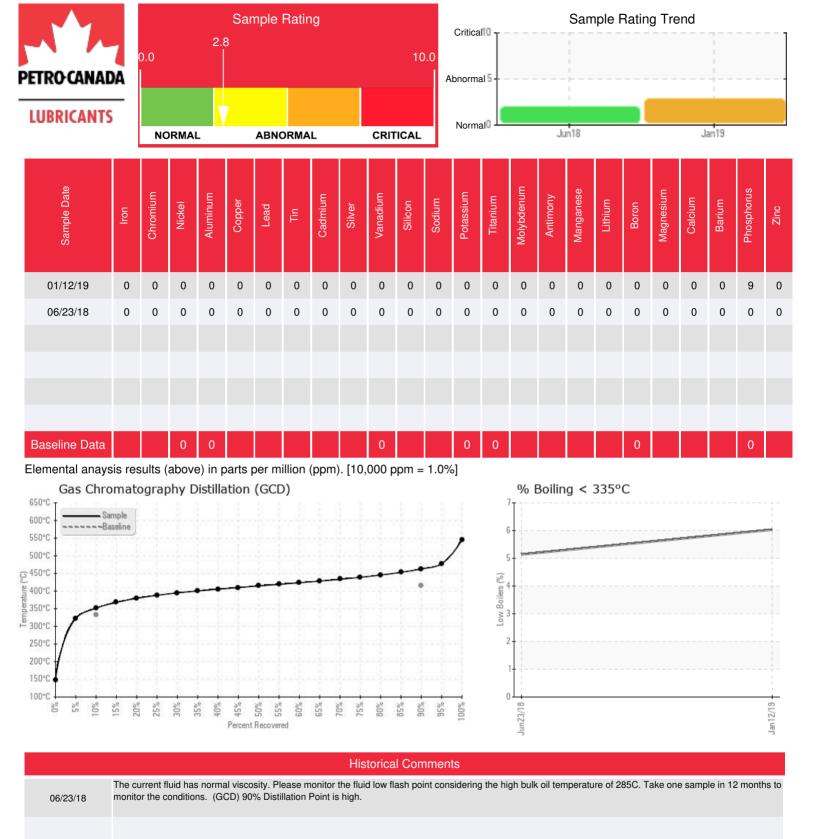
Recommendation: Please confirm if it is Therminol XP fluid. If it is the case, the fluid viscosity has been increased a lot from the last sample mainly due to the oil oxidation or the wrong oil top up. The fluid is also partially thermal cracked at the extremely high working temperature, so that the flash point is reduced. Please conduct the system venting to release the low boilers. Take one sample in 12 months to monitor the fluid conditions.

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	%
01/12/19	01/23/19	1 y	SUPPLY RETURN	320 / 160	11.1	27.8	0.45	0.011	665 / 352	778 / 415	865 / 463	6.03
06/23/18	07/13/18	9y	SUPPLY/RETURN	356 / 180	0.00	22.1	0.034	0.177	653 / 345	742 / 395	862 / 461	5.14



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