

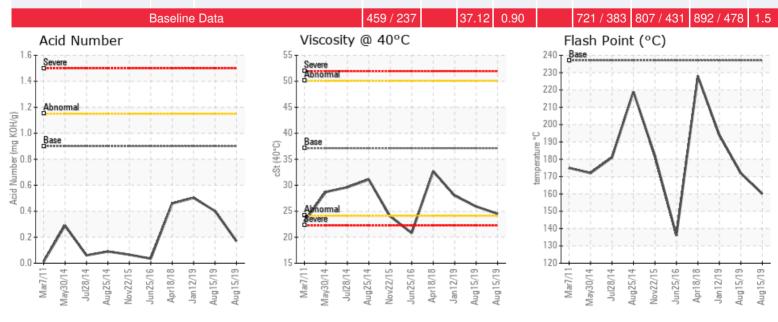
GFPT-FURTHER#1#2

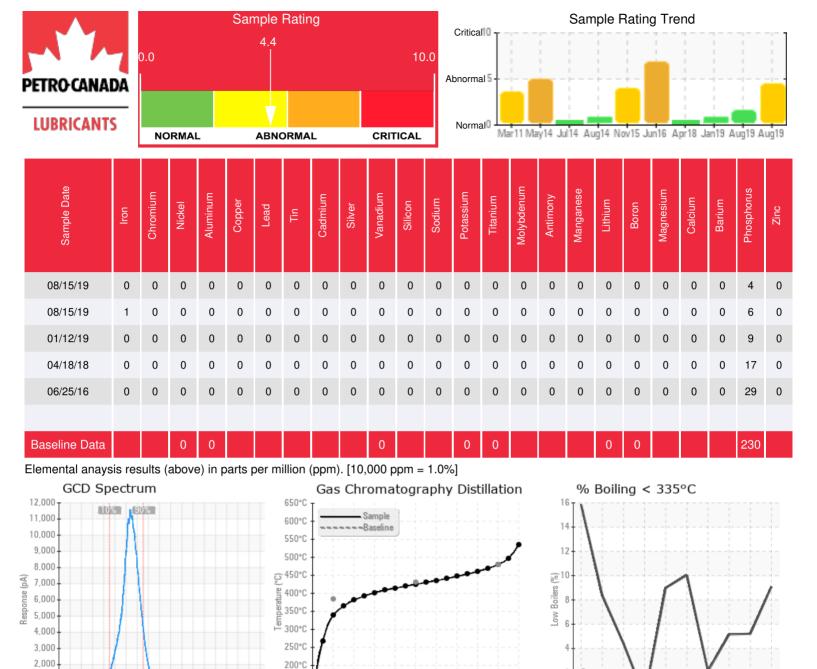
Customer: PTRHTF60010	System Information	Sample Information			
SYNLUBE INTERNATIONAL CO LTD	System Volume: 7000 ltr	Lab No: 02358334			
76/1 MOO.7 THACHIN	Bulk Operating Temp: 554F / 290C	Analyst: Philip Riley			
MUANG SAMUTSAKHON, 74000	Heating Source:	Sample Date: 08/15/19			
THAILAND	Blanket:	Received Date: 06/08/20			
Attn: CHERNPORN CHOBKUI	Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID	Completed: 06/11/20			
Tel: 034421290	Make: WANSON	Philip Riley			
E-Mail: chernporn@synlube.co.th		philip.riley@petrocanadalsp.com			

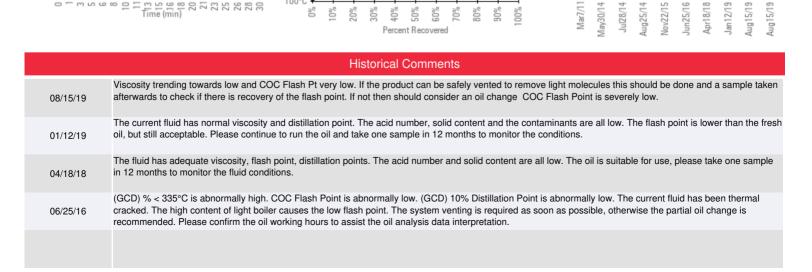
Recommendation: (GCD) $\% < 335^{\circ}$ C is marginally high. COC Flash Point is abnormally low. (GCD) 10% Distillation Point is marginally low. Their is some evidence of thermal cracking which causes the light boiling molecules that reflect in the low flash point, and abnormal GCD. This is supported by the low viscosity also. System venting (if it can be done safely) is required as soon as possible, otherwise the partial oil change is recommended.

Comments: COC Flash Point is severely low. (GCD) 10% Distillation Point is abnormally low. (GCD) % < 335°C 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	%
08/15/19	06/08/20	20m	SUPPLY RETURN	320 / 160	0.00	24.5	0.17	0.053	641 / 338	797 / 425	895 / 480	9.09
08/15/19	10/04/19	20m	SUPPLY RETURN	342 / 172	0.00	25.9	0.401	0.069	696 / 369	819 / 437	910 / 488	5.21
01/12/19	03/05/19	24m	SUPPLY RETURN	381 / 194	4.9	28.0	0.502	0.087	678 / 359	792 / 422	878 / 470	5.15
04/18/18	06/12/18	4m	SUPPLY RETURN	442 / 228	3.0	32.7	0.46	0.034	708 / 375	804 / 429	891 / 477	2.14
06/25/16	07/11/16	5m		277 / 136	9.6	<mark>20.8</mark>	0.035	0.087	628 / 331	795 / 424	916 / 491	10.04







5

60%

2 Base

Mar7/1

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150°0 100°C

> 20 %0 20%

1.000

3 10 8 11 8 8

30 28 23 21 20 91 20 30 12 33 30 12