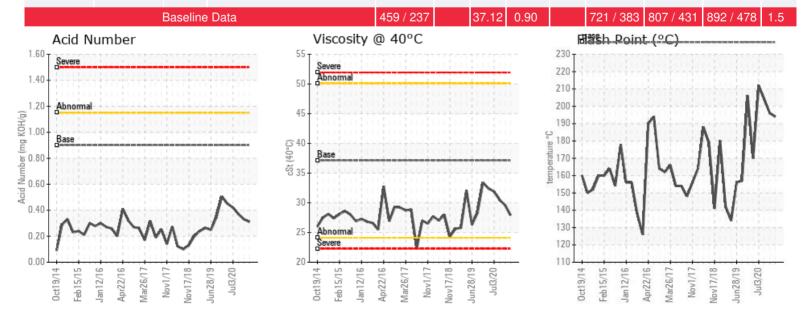


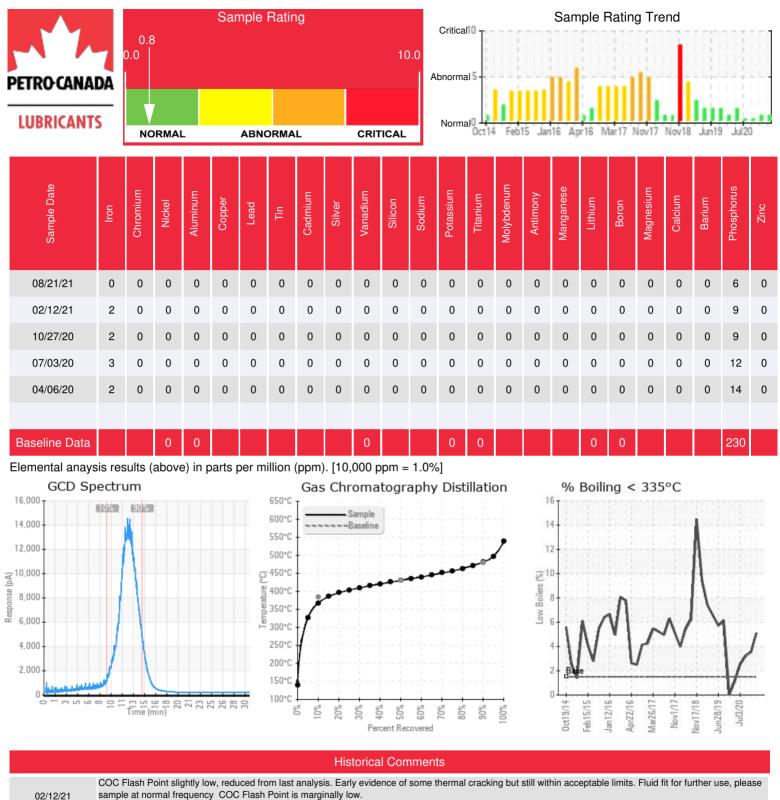
Customer: PTRHTF60010	System Information	Sample Information
SYNLUBE INTERNATIONAL CO LTD	System Volume: 11275 ltr	Lab No: 02444771
76/1 MOO.7 THACHIN	Bulk Operating Temp: 554F / 290C	Analyst: Philip Riley
MUANG SAMUTSAKHON, 74000	Heating Source:	Sample Date: 08/21/21
THAILAND	Blanket:	Received Date: 09/17/21
Attn: CHERNPORN CHOBKUI	Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID	Completed: 10/04/21
Tel: 034421290	Make: WANSON	Philip Riley
E-Mail: chernporn@synlube.co.th		philip.riley@hollyfrontier.com

Recommendation: COC is slightly low but of no great concern. If there is potential to safely vent the fluid please use this technique and attempt to recover flash point. Fluid fit for further use, please resample at normal frequency

Comments: COC Flash Point is marginally low.

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	%
08/21/21	09/17/21	0.0m		381 / 194	16.1	27.9	0.31	0.013	694 / 368	806 / 430	898 / 481	5.11
02/12/21	02/26/21	14.0m	Supply and return	385 / 196	14.9	29.6	0.33	0.081	706 / 375	810 / 432	902 / 483	3.54
10/27/20	11/10/20	10.0m		399 / 204	5.9	30.5	0.37	0.117	712/378	811 / 433	902 / 484	3.20
07/03/20	07/14/20	6.0m		414 / 212	11.8	31.9	0.42	0.034	717 / 380	812 / 434	903 / 484	2.51
04/06/20	04/14/20	3.0m	SUPPLY AND RETURN	338 / 170	15.6	32.4	0.45	0.090	725 / 385	814 / 434	902 / 484	1.12





02/12/21	sample at normal frequency COC Flash Point is marginally low.
10/27/20	All parameters within normal and expected limits, no concern regarding fluid condition. Fluid fit for further use, please re-sample at normal frequency COC Flash Point is marginally low.
07/03/20	All parameters within acceptable limits. Fluid fit for further use. Please re-sample at normal frequency
04/06/20	All parameters remain in specification except for the low COC Flash Pt. This has seen lower values in the past but it is important to safely vent the system to remove the low boiling point molecules. Recommend to re-sample in 3 months to check the system after venting. COC Flash Point is severely low.

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