

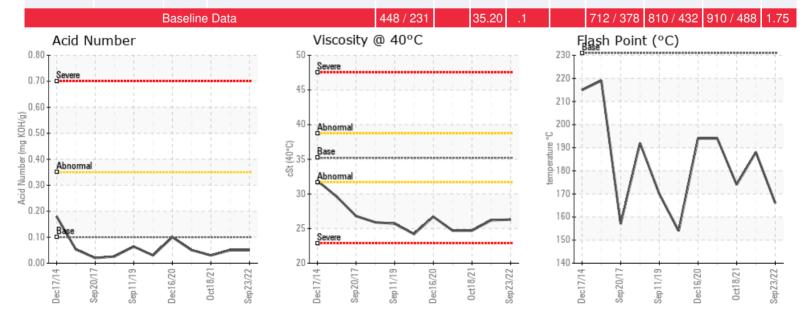
HOT OIL

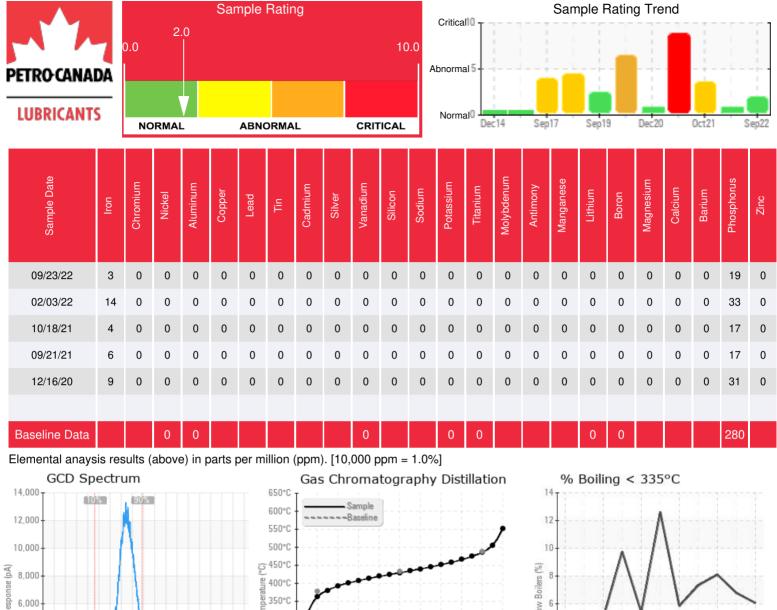
Customer: PTRHTF10002	System Information	Sample Information
EVONIK	System Volume: 1500 gal	Lab No: 02515588
3305 26th ST	Bulk Operating Temp: 600F / 316C	Analyst: Ron LeBlanc
LOS ANGELES, CA USA	Heating Source:	Sample Date: 09/23/22
Attn: Prakash Mehta	Blanket:	Received Date: 10/11/22
Tel: (818)709-0492	Fluid: PETRO CANADA CALFLO HTF	Completed: 10/14/22
E-Mail: purelubricants@earthlink.net	Make:	Ron LeBlanc
		Bonald LeBlancSr@HESinclair.com

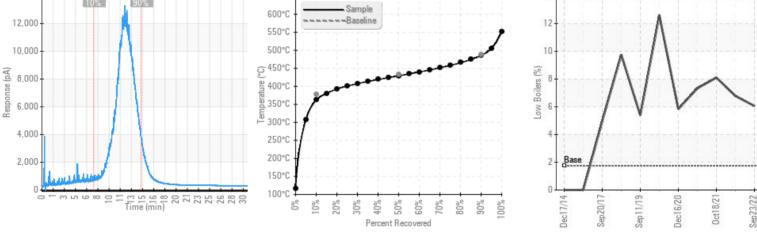
Recommendation: The Flash Point is very low and the viscosity is low. It indicates lighter fractions being boiled off. I would suggest a resample and make sure plenty of oil is purged out before taking sample.

Comments: COC Flash Point is severely low. Visc @ 40°C is abnormally 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	%
09/23/22	10/11/22	1.0y		331 / 166	13.3	<mark>26.3</mark>	0.05	0.318	683 / 362	804 / 429	906 / 486	6.05
02/03/22	02/03/22	0.0y		370 / 188	102.0	26.2	0.05	0.060	674 / 357	804 / 429	908 / 487	6.78
10/18/21	10/28/21	0.0y		345 / 174	16.5	24.7	0.03	0.163	658 / 348	800 / 427	909 / 487	8.10
09/21/21	10/05/21	1.0y		381 / 194	1552.3	24.7	0.05	0.068	667 / 353	801 / 427	908 / 487	7.33
12/16/20	01/07/21	0.0y		381 / 194	23.7	26.7	0.10	0.054	685 / 363	805 / 430	912 / 489	5.84
12/16/20	01/07/21	0.0y		381 / 194	23.7	26.7	0.10	0.054	685 / 363	805 / 430	912 / 489	5.84







Historical Comments

02/03/22	Sample appears normal except for COC Flash Point is marginally low. Add a small amount of new oil to raise flash point. COC Flash Point is marginally low.
10/18/21	The oil typicals have returned to somewhat normal compared to the previous sample. Pentane insolubles indicate some contamination. Water content dropped significantly. Adding a small amount of new oil could improve the typicals significantly. COC Flash Point is abnormally low. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low.
09/21/21	The water is Extremely high in the sample. The COC Flash point is low although it has come up in the last two samples. The sample appears normal other than the two items listed. ppm Water contamination levels are severely high. Water contamination levels are severely high. COC Flash Point is marginally low.
12/16/20	COC Flash Point is marginally low. Recommend venting off low boilers.

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