

Recommendation: The color of this sample is much darker than previous samples, however there is no sign of significant wear, contamination or fluid degradation at this time. This fluid is suitable for continued use, please resample and submit for testing in 12 months.

Jake Finn

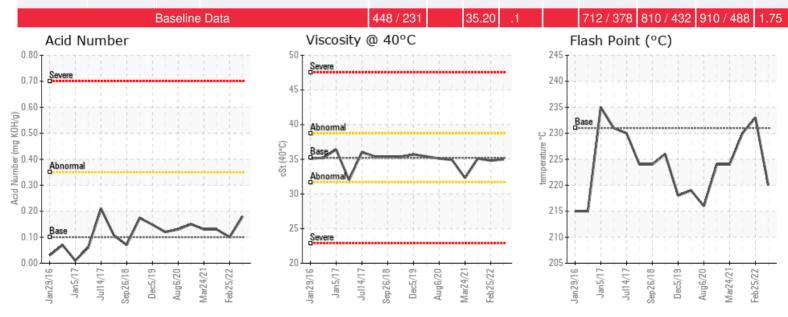
jake.finn@hollyfrontier.com

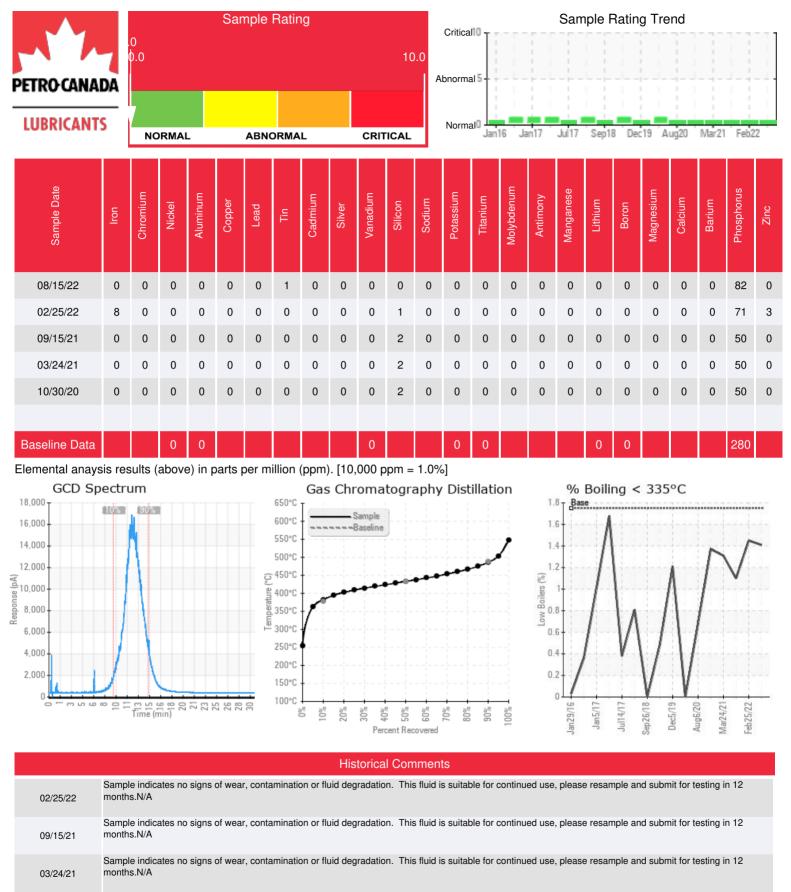
Make: Heat Exchanger And T

Comments: N/A

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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	%
08/15/22	08/29/22	0.0y		428 / 220	85.2	35.0	0.18	0.035	720 / 382	811 / 433	906 / 486	1.41
02/25/22	03/07/22	0.0y		451 / 233	12.6	34.8	0.10	0.040	725 / 385	816 / 435	920 / 493	1.45
09/15/21	09/23/21	0.0y		446 / 230	15.6	35.1	0.13	0.065	728 / 387	814 / 435	916 / 491	1.10
03/24/21	03/31/21	0.0y		435 / 224	19.8	32.3	0.13	0.036	722 / 383	814 / 435	924 / 496	1.31
10/30/20	11/09/20	0.0y		435 / 224	3.6	34.9	0.15	0.199	728 / 387	815 / 435	916 / 491	1.37





Fluid appears to be in good condition and is suitable for continued use. Please resubmit for testing in 12 months.

10/30/20

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