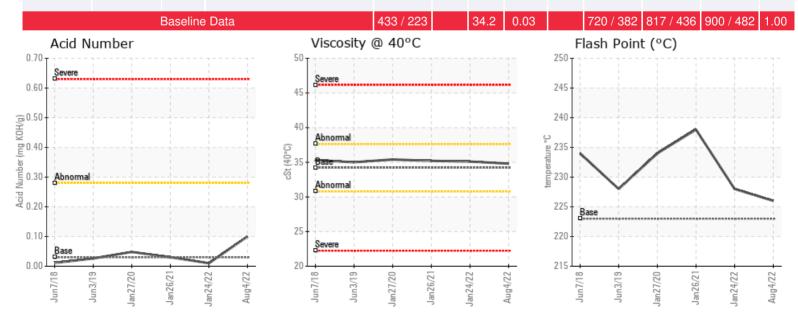
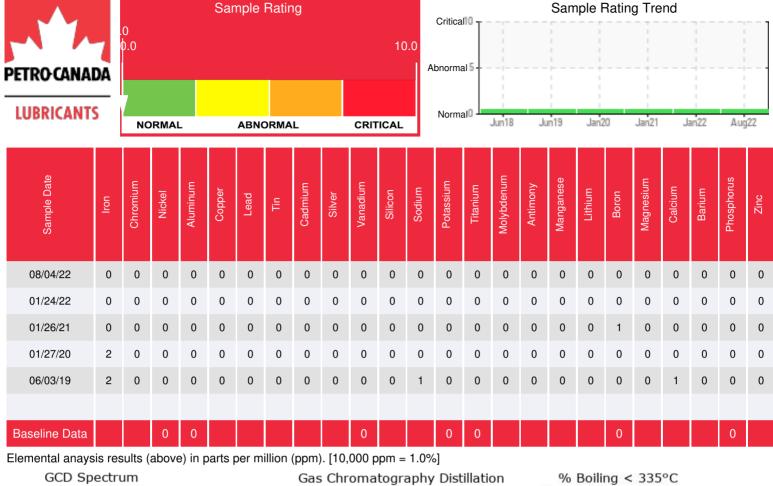


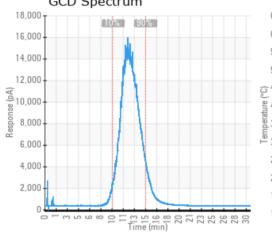
Recommendation: Sample results indicate that the fluid is in suitable condition for continued service. Please re-sample after 12 months of continued runtime.

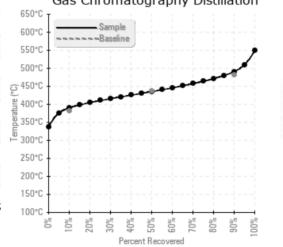
Comments:

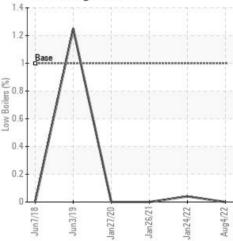
Sample Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
mm/dd/y	/		°F/°C	ppm	cSt	mg/KOH/ g	%wt	°F/°C	°F/°C	°F/°C	%
08/04/22 08/23/2	2 52.0m	PUMP BLEED	439 / 226	133.5	34.8	0.10	0.009	733 / 389	815 / 435	915 / 491	0.00
01/24/22 02/22/2	2 45.0m	Pump bleed	442 / 228	97.5	35.1	0.01	0.030	732 / 389	816 / 435	916 / 491	0.04
01/26/21 02/04/2	1 34.0m	Pump bleed	460 / 238	88.8	35.2	0.03	0.062	732 / 389	815 / 435	917 / 492	0.00
01/27/20 02/24/2	21.0m	PUMP BLEED	453 / 234	18.1	35.4	0.048	0.057	701 / 372	783 / 417	882 / 472	0.00
06/03/19 07/02/1	9 15.0m	PUMP BLEED	442 / 228	7.0	35.0	0.026	0.052	715 / 380	802 / 428	910 / 488	1.25











## **Historical Comments** Sample results indicate that the fluid is in suitable condition for continued service. Please re-sample in 12 months. 01/24/22 Sample results indicate that the heat transfer fluid is in suitable condition for continued service; fluid is in very healthy condition. Please re-sample in one year. 01/26/21 Sample results indicate that the fluid is suitable for continued service. Please re-sample in 12 months 01/27/20 Sample results indicate that the heat transfer fluid is suitable for continued service. Please re-sample in 12 months 06/03/19

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.