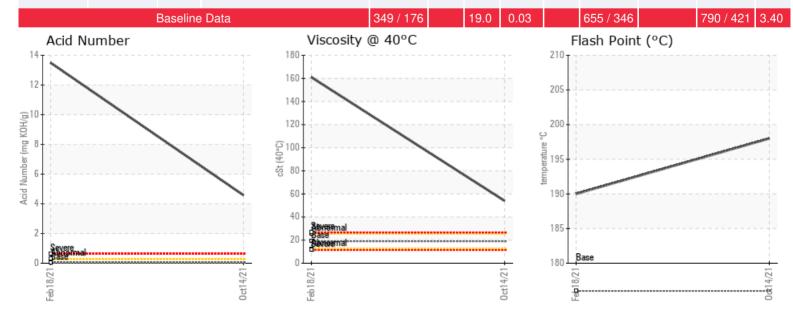
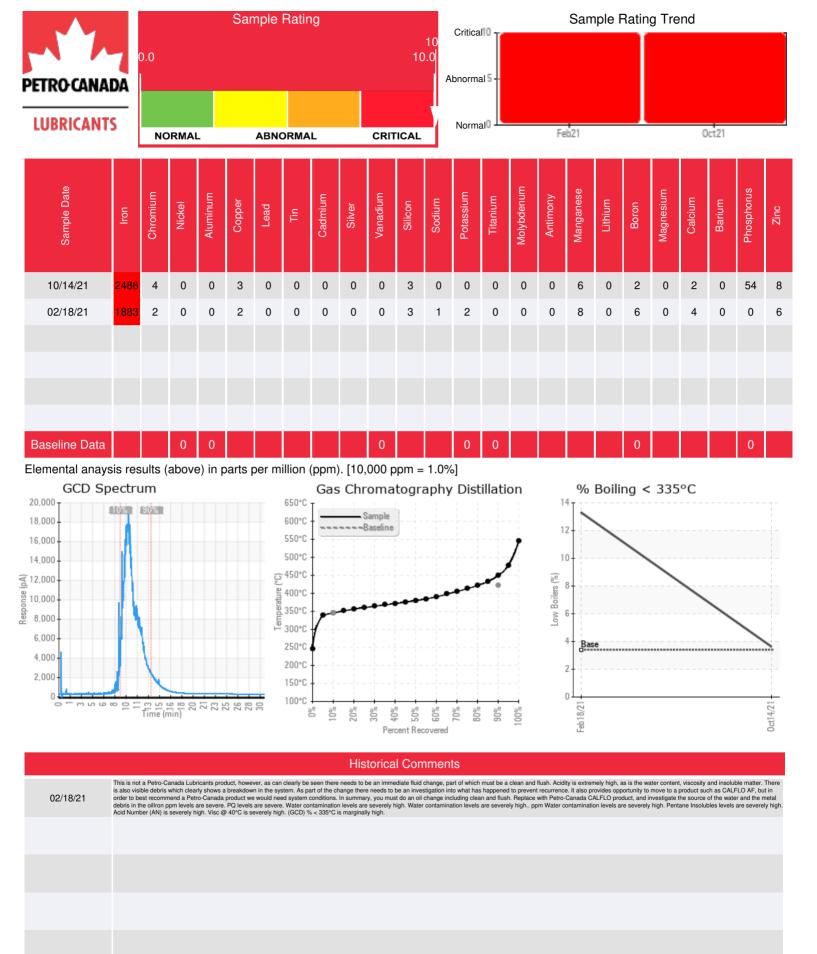


Recommendation: This is not a Petro-Canada Lubricants product, however, as can clearly be seen there needs to be an immediate fluid change, part of which must be a clean and flush. Acidity is extremely high, as is the water content, viscosity and insoluble matter. There is also visible debris which clearly shows a breakdown in the system. As part of the change there needs to be an investigation into what has happened to prevent recurrence. It also provides opportunity to move to a product such as CALFLO AF, but in order to best recommend a Petro-Canada product we would need system conditions. In summary, you must do an oil change including clean and flush. Replace with Petro-Canada CALFLO product, and investigate the source of the water and the metal debris in the oil

Comments: Iron ppm levels are severe. PQ levels are severe. Water contamination levels are severely high. Water contamination levels are severely high. ppm Water contamination levels are severely high. Pentane Insolubles levels are severely high. Acid Number (AN) is severely high. Visc @ 40° C is severely high. (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	%
10/14/21	10/28/21	22.0y		388 / 198	348.6	54.0	4.58	5.92	653 / 345	715 / 380	839 / 449	3.63
02/18/21	02/26/21	21.0y	Return	374 / 190	65881.1	161	13.5	9.88	602/317	698 / 370	802 / 428	13.30





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