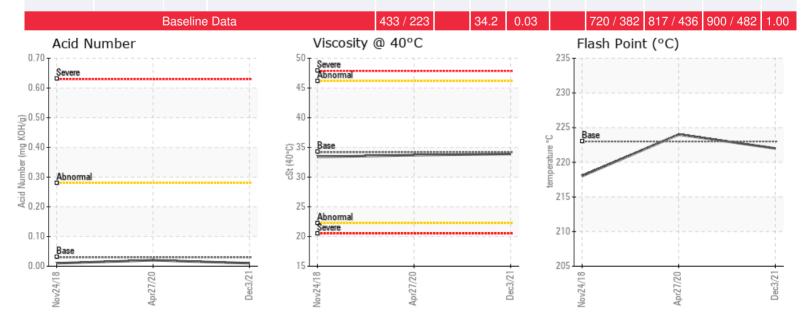


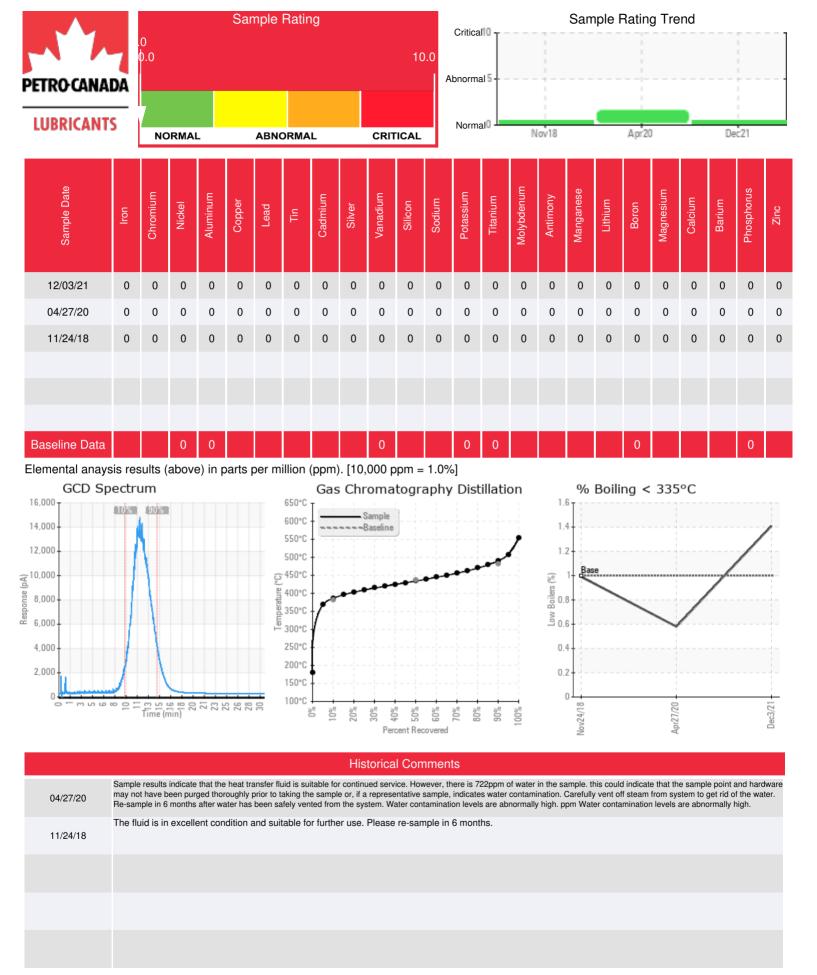
TOURMALINE OIL System Volume: 0 ltr Lab No: 02476624	
9920 98a Ave Bulk Operating Temp: 345F / 174C Analyst: Clinton Buhler	
FORT ST. JOHN, BC V1J 1S2 Canada Heating Source: Sample Date: 12/03/21	
Attn: Brandon Braun Blanket: Received Date: 03/10/22	
Tel: (250)262-5420 Fluid: PETRO CANADA PETRO-THERM Completed: 03/16/22	
E-Mail: Make: Clinton Buhler	
Brandon.braun@tourmalineoil.com Clinton.Buhler@hollyfrontier.com	

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

Comments:

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
1	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/ g	%wt	°F/°C	°F/°C	°F/°C	%
12/03/21	03/10/22	3.0m	Exp tank disch line	432 / 222	150.8	33.9	0.01	0.056	727 / 386	813 / 434	913 / 490	1.41
04/27/20	04/29/20	17.0m	EXPANSION TANK SUCTI	435 / 224	722.6	33.7	0.02	0.060	731 / 389	814 / 434	913 / 489	0.58
11/24/18	12/18/18	2.5m		424 / 218	123.3	33.4	0.01	0.044	720 / 382	807 / 431	910 / 488	0.99





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