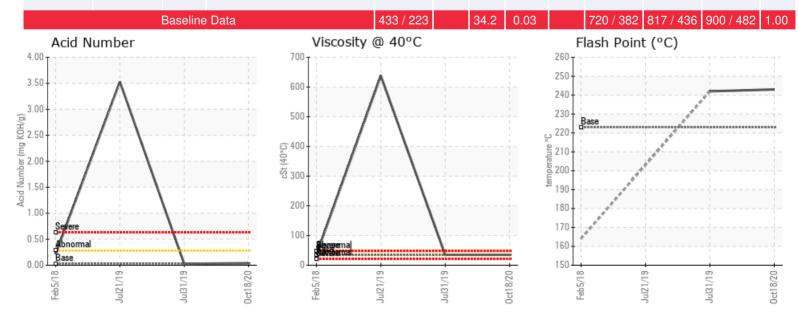


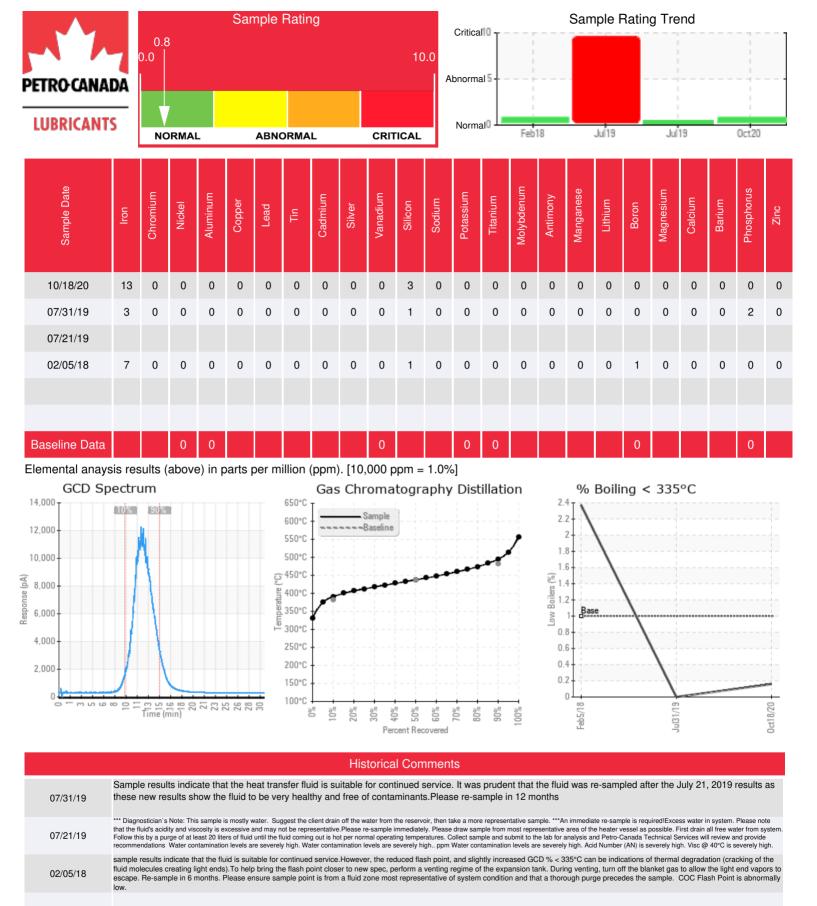
FORT ST. JOHN, BC V1J 0H8 Canada Attn: Jason Carew Tel: (250)261-9197 E-Mail: jason.carew@kanataenergy.com Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: ALCO GAS & OIL Lab No: 02390508 Analyst: Clinton Buhler Sample Date: 10/18/20 Received Date: 12/01/20 Completed: 12/07/20 Clinton Buhler Clinton.Buhler@hollyfrontier.com

Recommendation: Sample results indicate that the fluid is suitable 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
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/ g	%wt	°F/°C	°F/°C	°F/°C	%
10/18/20	12/01/20	19.0m	sight glass	469 / 243	84.7	34.9	0.04	0.106	735 / 391	819 / 437	922 / 495	0.16
07/31/19	08/13/19	6.0m	SITE GLASS	468 / 242	29.8	34.9	0.026	0.084	717 / 380	786 / 419	886 / 475	0.00
07/21/19	07/22/19	6.0m	BOTTOM DRAIN		900000	638	3.53					
02/05/18	02/26/18	3.1m		327 / 164	159.7	34.8	0.214	0.263	707 / 375	808 / 431	912 / 489	2.37





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