



## CANFOR CHETWYND HOT OIL

Customer: PTRHTF20248	System Information	Sample Information
CANFOR - CHETWYND SAWMILL 4700 50 STREET CHETWYND, BC V0C 1J0 Canada Attn: Service Manager Tel: (250)401-3058 E-Mail:	System Volume: 41000 ltr Bulk Operating Temp: 464F / 240C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: DELTECH THERMAL FUEL	Lab No: 02392466 Analyst: Clinton Buhler Sample Date: 11/26/20 Received Date: 12/11/20 Completed: 01/08/21 Clinton Buhler Clinton.Buhler@PetroCanadaLSP.com

Recommendation: Sample results indicate an elevated Acid Number and Solids content; both of which can be associated to oxidation degradation. Ensure that expansion tank blanket gas is operational to reduce subsequent oxidation. The solids content is likely related to fluid degradation byproducts and corrosive wear particles (iron). The remaining sample parameters indicate suitable results. Please re-sample in 3 months to help establish a trend after which time further recommendations can be made. Please ensure that sample valve and related piping or tubing is thoroughly purged PRIOR to obtaining the fluid sample in the sample container to ensure a representative sample.

Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is abnormally 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	%
11/26/20	12/11/20	10y	PUMP VALVE	432 / 222	23.7	35.6	0.49	0.632	722 / 384	813 / 434	904 / 484	1.17
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



