



[CNRL / 13-26-67-5W6] STABILIZER #2

Customer: PTRHTF20197	System Information	Sample Information
CNRL GOLD CREEK 13-26-67-05W6 GRANDE PRAIRIE, AB Canada Attn: Joe Beamish Tel: (780)512-7015 E-Mail: joe.beamish@cnrl.com	System Volume: 15000 ltr Bulk Operating Temp: 410F / 210C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: PETRO-TECH	Lab No: 02221599 Analyst: Clinton Buhler Sample Date: 06/07/18 Received Date: 06/11/18 Completed: 06/13/18 To discuss this report contact Clinton Buhler at 780-516-9920

Recommendation: Heat transfer fluid is contaminated with water: 1753 ppm. This is considered excessive and poses a safety risk of fluid boil over when the boiling point of the water is reached. Consider vacuum dehydration of the fluid to remove the water. Water needs to be released from the fluid before system is brought to normal operating temperatures. Careful start-up is critical. All other parameters indicate the fluid is suitable for service. Re-sample in 6 months

Comments: Water contamination levels are severely high. ppm Water contamination levels are severely 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	%
06/07/18	06/11/18	2m	POINT INLET	435 / 224	1753.6	34.9	0.050	0.093	698 / 370	781 / 416	899 / 482	0.00
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



