



[/ 6-25-45-10W5M /] H704 HOT OIL HEATER

Customer: PTRHTF20136	System Information	Sample Information
CENOVUS ENERGY 13-35-47-10W5 DRAYTON VALLEY, AB Canada Attn: Brendon Emmett Tel: (780)898-7136 E-Mail: brendon.emmett@cenovus.com	System Volume: 0 ltr Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: SUNOCO SUN HEAT TRANSFER 21 PD Make:	Lab No: 02264068 Analyst: Terry Veenstra Sample Date: 01/08/19 Received Date: 01/23/19 Completed: 01/25/19

Recommendation: Fluid looks good except for the COC Flash Point is low. Regular venting of low boiling vapors from the expansion tank is recommended. Please ensure blanket gas is operational. Please re-sample in 6 months

Comments: COC Flash Point is severely low. (GCD) 10% Distillation Point is marginally low.

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	%
01/08/19	01/23/19	21y		259 / 126	37.2	37.6	0.02	0.020	719 / 381	820 / 438	891 / 477	3.03
Baseline Data				439 / 226		50.0	0.03		777 / 414		900 / 482	0.25



