



[GS E&R CANADA INC A-60-I/94-0-11] H4500 HEAT MEDIUM

Customer: PTRHTF20199	System Information	Sample Information
GS E&R CANADA INC 301 121-15TH AVE SE CALGARY, AB T2G 1G1 Canada Attn: Sheldon Sandau Tel: (587)830-2127 E-Mail: ssandau@gsenr.com	System Volume: 25000 ltr Bulk Operating Temp: 351F / 177C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: PROLINK	Lab No: 02223628 Analyst: Clinton Buhler Sample Date: 05/29/18 Received Date: 06/21/18 Completed: 07/16/18 To discuss this report contact Clinton Buhler at 780-516-9920

Recommendation: Sample results indicate that the heat transfer fluid is in like new condition and is suitable for continued service. As good practice, ensure blanket gas system is operational. Re-sample in 6 months to establish a trend

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	%
05/29/18	06/21/18	48h	PUMP 4560A DISCHARGE	450 / 232	50.2	35.5	0.015	0.075	721 / 383	806 / 430	911 / 489	0.23
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



