



HEAT TRANSFER

Customer: PTRHTF30116	System Information	Sample Information
H & H CONSTRUCTION INC 49 PORTAGE ROAD PETAWAWA, ON K8H 2W8 Canada Attn: Andrew F Tel: (613)687-8154 E-Mail:	System Volume: 2000 ltr Bulk Operating Temp: 330F / 166C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make:	Lab No: 02221971 Analyst: Pierre Castagne Sample Date: 06/07/18 Received Date: 06/13/18 Completed: 06/27/18 To discuss this report contact Pierre Castagne at 905-285-8278

Recommendation: Calcium & Sulfur PPM are severely high. Sodium level are abnormally high. Investigate, source of contamination. Possible cause, transfer method to top-up heat transfer fluid using a container or pump used for other top-up fluid.

Comments: Calcium ppm levels are severely high. Sodium ppm levels are 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	%
06/07/18	06/13/18	7d		464 / 240	87.5	35.9	0.02	0.108	725 / 385	810 / 432	913 / 490	0.68
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



