



[RETURN LINE] R10-11

Customer: PTRHTF30119	System Information	Sample Information
CHEMENCE INC 185 BLUEGRASS VALLEY PKWY ALPHARETTA, GA 30005 Canada Attn: Bill Miller Tel: E-Mail:	System Volume: 150 gal Bulk Operating Temp: 284F / 140C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make:	Lab No: 02225822 Analyst: Manny Garcia Sample Date: 06/25/18 Received Date: 07/03/18 Completed: 07/17/18 To discuss this report contact Manny Garcia at 954-384-7259

Recommendation: Fluid is suitable for continued use but must be monitored for low and high boiler situations to make sure the fluid is not thermally 'cracked'. 'Vent' the system to mitigate these issues.

Comments: 'Venting' the system could help mitigate the distillation point @ 90% from 468 to the recommended 482 as well as the high distillation curve <335oC from 7.3 to 1.00. Very light debris was noticed and filtering fluid or changing any system filters is recommended (GCD) % < 335°C is marginally high. (GCD) 90% 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	%
06/25/18	07/03/18	0h	RETURN LINE	392 / 200	25.5	28.0	0.08	0.063	670 / 354	790 / 421	875 / 468	7.30
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



