



## HMP4

Customer: PTRHTF30095	System Information	Sample Information
HP Pelzer 115 Industrial Way Athens, TN 37303 Canada Attn: Conway Tabor Tel: (423)333-9402 E-Mail: ctabor@hpelzer.com	System Volume: 0 gal Bulk Operating Temp: 425F / 218C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make:	Lab No: 02208003 Analyst: Manny Garcia Sample Date: 03/22/18 Received Date: 04/03/18 Completed: 04/09/18 To discuss this report contact Manny Garcia at 954-384-7259

Recommendation: 'Venting' this system may mitigate the high distillation point at 90% and could improve the Flash Point. Please include the time on the unit and the time on the fluids on all future sample labels as well as the volume on gallons. If any maintenance is completed on the system to improve the fluid conditions, please re-submit samples to verify.

Comments: (GCD) 90% Distillation Point is abnormally high. COC Flash Point is abnormally low by 50oC.

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	%
03/22/18	04/03/18	0m		345 / 174	7.3	26.8	0.06	0.033	678 / 359	779 / 415	923 / 495	3.51
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5



