



H-1

Customer: PTRHTF20208	System Information	Sample Information
Plains Midstream Canada PO Box 3210 Range Road 221 Fort Saskatchewan, AB T8L 2T2 Canada Attn: Marlon Gonzalez Tel: (780)992-2724 E-Mail:	System Volume: 1000 ml Bulk Operating Temp: 500F / 260C Heating Source: Blanket: Fluid: ESSO THERMOIL 32 Make:	Lab No: 02258648 Analyst: Peter Harteveld Sample Date: 12/04/18 Received Date: 12/20/18 Completed: 12/24/18

Recommendation: This analysis report serves as the baseline reference for top-up with Petro-Therm. The fill of the system is a mix of Esso Oil 1156 and Thermoil 32. Interpretation of fluid condition is based on a generic ISO VG 5 fluid. Considering the main part of the fill is Esso Oil 1156, the condition reflected in this analysis report is normal. In this case the important parameters are Acid Number, water content, Fe (corrosion) and Pentane Insoluble (solids) content. The AN and water content are low. There is no Fe which means corrosion is not taking place. Solids content is moderately low. Please re-sample in 12 months. List oil service life, operating temperature, blanket gas info and system volume on the analysis request form when sending in the next sample.

Comments: (GCD) 10% Distillation Point is severely low. COC Flash Point is severely low. Visc @ 40°C is severely low. (GCD) 90% Distillation Point is abnormally 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	%
12/04/18	12/20/18	0h		255 / 124	41.0	5.0	0.01	0.139	441 / 227	557 / 292	822 / 439	66.55
Baseline Data				399 / 204		32.45			705 / 374		858 / 459	



