



[ASPEN LEAF ENERGY / 10-22-50-26W4] H6205

Customer: PTRHTF20174	System Information	Sample Information
Quadra Chemicals 700 4th Ave S.W Suite 470 Calgary, AB T2P 3J4 Canada Attn: Quadra Samples Tel: E-Mail: quadra_samples@quadra.ca	System Volume: 24000 ltr Bulk Operating Temp: 356F / 180C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: S BLUE PROCESS	Lab No: 02518601 Analyst: Lyle Dach Sample Date: 10/05/22 Received Date: 10/25/22 Completed: 11/03/22 Lyle Dach lyle.dach@HFSinclair.com

Recommendation: Sample results indicate that the fluid is in suitable condition for continued service. 90% distillation point is slightly high, ensure blanket gas is on and functioning properly. Resample in 12 months.

Comments: (GCD) 90% Distillation Point is marginally 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	%
10/05/22	10/25/22	1.0w	new unit	453 / 234	23.5	35.3	0.25	0.114	743 / 395	827 / 442	922 / 494	0.46
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



