



JUPITER

Customer: PTRHTF20175	System Information	Sample Information
QUADRA CHEMICALS 7802 98 STREET CLAIRMONT, AB T0H 0W0 Canada Attn: Quadra Samples Tel: E-Mail: quadra_samples@quadra.ca	System Volume: 19600 gal Bulk Operating Temp: 338F / 170C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make:	Lab No: 02360788 Analyst: Peter Hartevelde Sample Date: 06/08/20 Received Date: 06/22/20 Completed: 06/30/20 Peter Hartevelde peter.hartevelde@petrocanadalsp.com

Recommendation: The fluid is in a good condition and suitable for further use. Venting of low boiler vapor to atmosphere on a regular basis is recommended to maintain the vapor % <335C close to that of the fresh oil. Please re-sample in 6 months.

Comments: Pentane Insolubles 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	%
06/08/20	06/22/20	3y	DISCHARGE	421 / 216	13.2	31.9	0.22	0.421	710 / 377	811 / 433	906 / 486	2.45
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



