



[KEYERA BRAZEAU RIVER GAS PLANT / 3-12-46-14W5] PLANT 1

Customer: PTRHTF30084	System Information	Sample Information
Keyera Partnership Brazeau River Ga... Box 7318 Drayton Valley, AB T7A 1S5 Canada Attn: Ken Bouchard Tel: (780)894-3601 E-Mail: ken_bouchard@keyera.com	System Volume: 14000 ltr Bulk Operating Temp: 446F / 230C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: IAP HEATER	Lab No: 02006317 Analyst: Kevin McDermott Sample Date: 06/30/15 Received Date: 07/07/15 Completed: 07/19/15 Kevin McDermott kevin.mcdermott@hollyfrontier.com

Recommendation: Fluid is in excellent condition. Resample in 6 months to begin developing a fluid condition trend. Be sure to use Customer Number PTRHTF30084 on the sample submission form to ensure future samples can be linked up to previous sample history.

Comments:

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	%
06/30/15	07/07/15	4.0m	AFT SLIPSTREAM FILTR	392 / 200	50.6	34.8	0.06	0.029	698 / 370	812 / 433	903 / 484	3.48
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



