

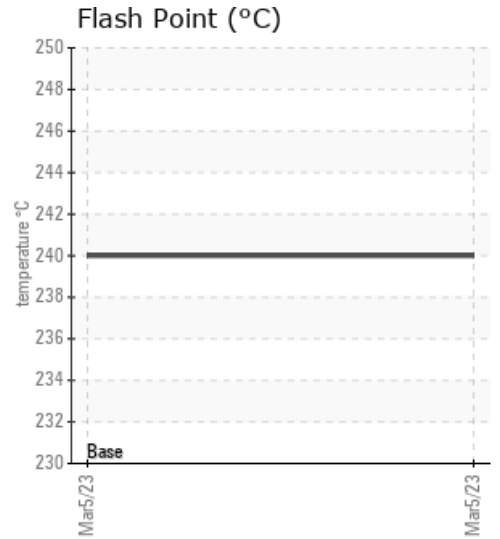
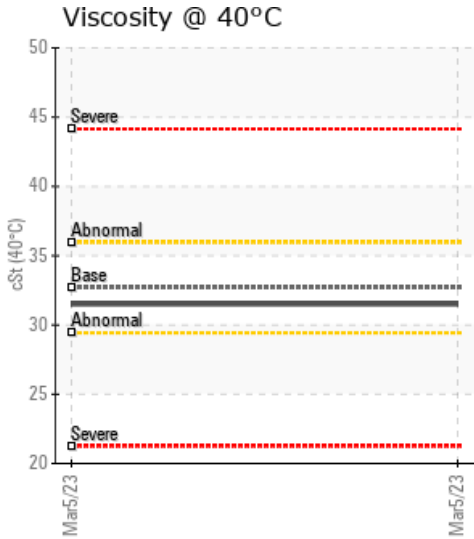
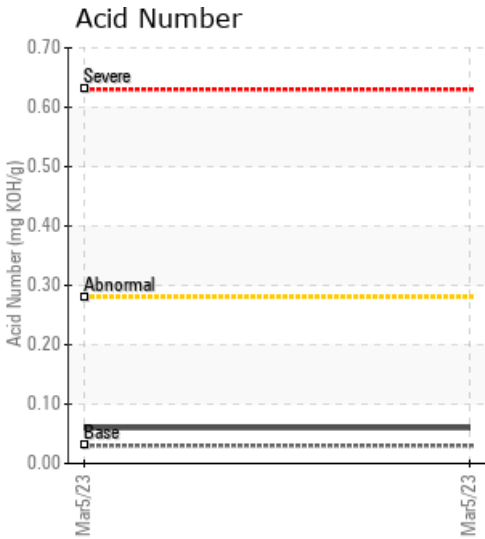
[KEYERA PARTNERSHIP / 3-12-46-14W5M] TOTE 1

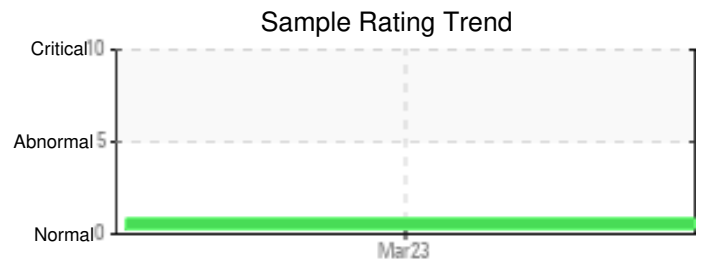
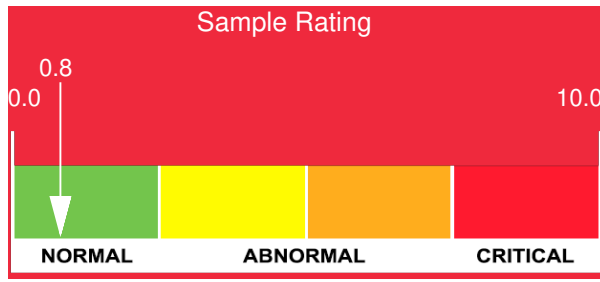
Customer: PTRHTF30084	System Information	Sample Information
Keyera Partnership Brazeau River Ga... Box 7318 Drayton Valley, AB T7A 1S5 CA Attn: Gareth Buchanan Tel: (780)913-1176 E-Mail: gareth_buchanan@keyera.com	System Volume: 70000 ltr Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make:	Lab No: 02544895 Analyst: Lyle Dach Sample Date: 03/05/23 Received Date: 03/13/23 Completed: 03/20/23 Lyle Dach lyle.dach@HFSinclair.com

Recommendation: Tote sample on site, fluid appears to meet specifications for new Calflo AF. Water content is very low at 5.6 ppm. ipH is 6.06.

Comments:

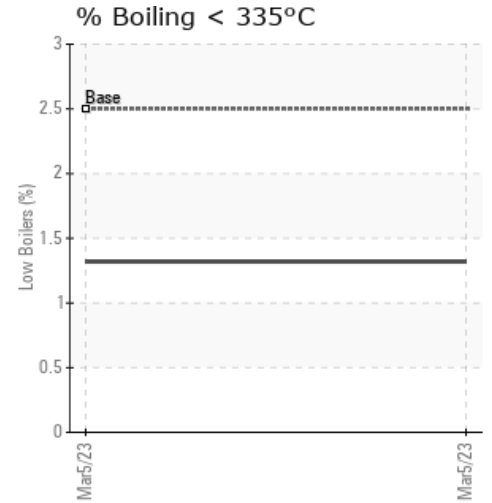
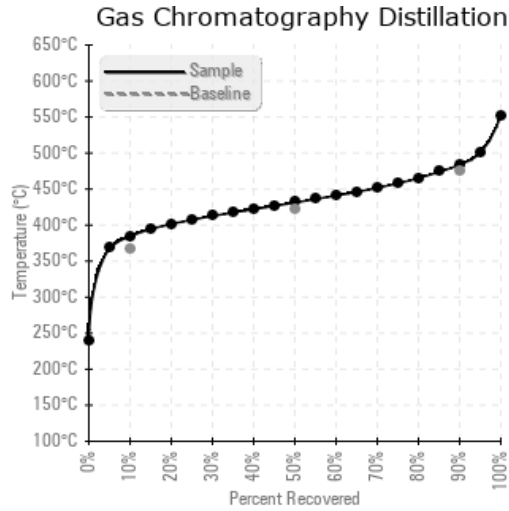
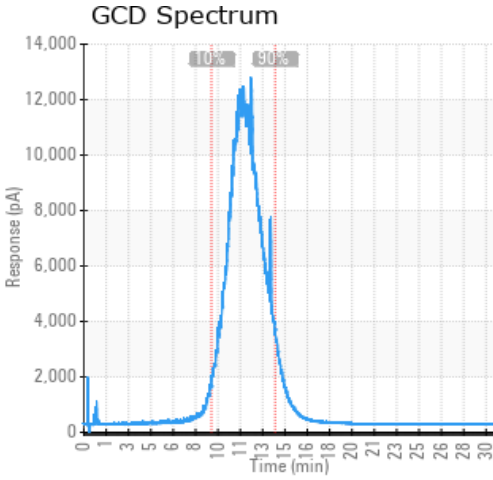
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
03/05/23	03/13/23	0.0y	NEW REFERENCE SAMPLE	464 / 240	5.6	31.5	0.06	0.035	724 / 384	808 / 431	903 / 484	1.32
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
03/05/23	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	288	2
Baseline Data			0	0						0			0	0					0				270	

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments

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