

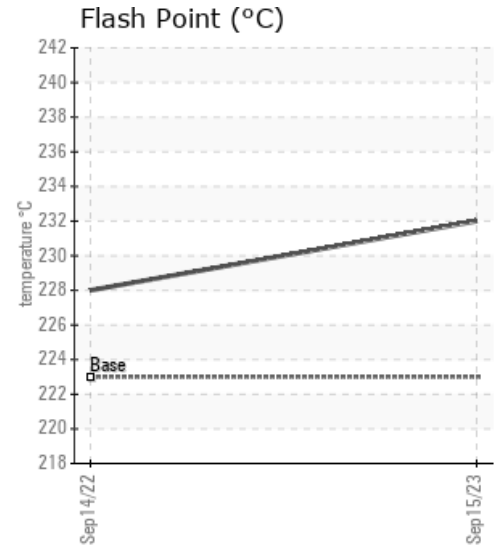
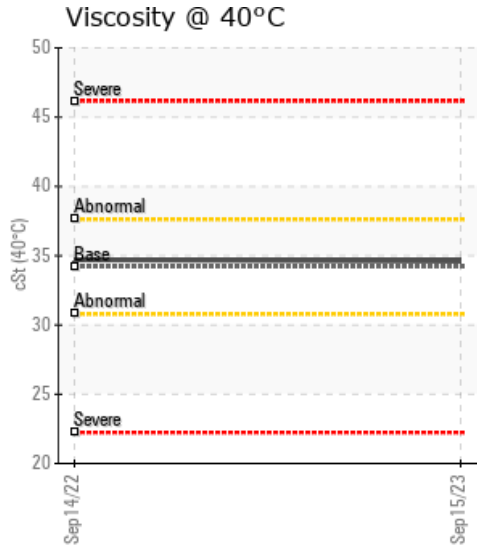
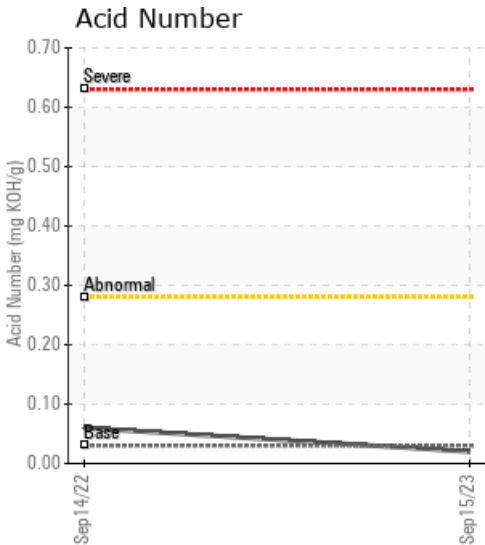
## [Westbrick Energy / 12-15-053-15W5] H810

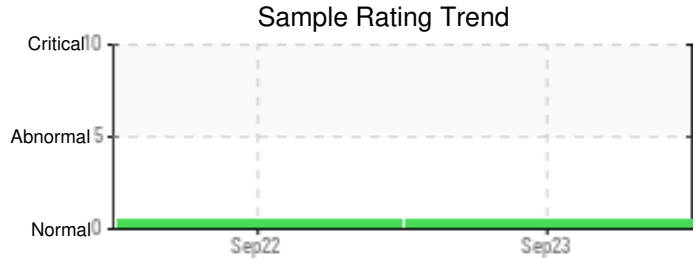
Customer: PTRHTF20269	System Information	Sample Information
<b>WESTBRICK ENERGY</b> 12-15-53-15 DRAYTON VALLEY, AB T7A 1R8 CA Attn: Jesse Knapp Tel: (780)307-4184 E-Mail: jknapp@westbrick.ca	System Volume: 7500 ltr Bulk Operating Temp: 543F / 284C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: HEATECH	Lab No: 02586957 Analyst: Lyle Dach Sample Date: 09/15/23 Received Date: 10/04/23 Completed: 10/06/23 Lyle Dach lyle.dach@HFSinclair.com

Recommendation: Sample results indicate the fluid is in excellent condition and is suitable for continued use. Resample in 12 months.

Comments:

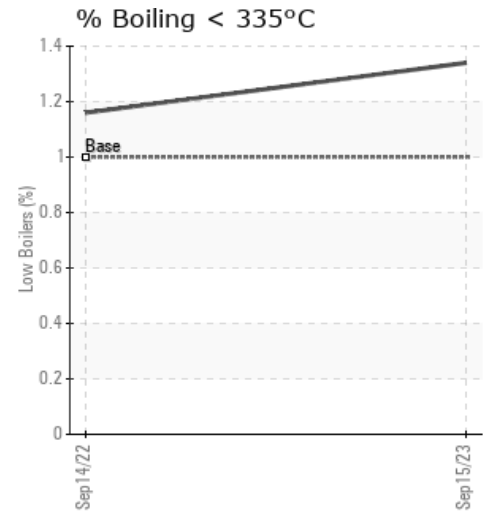
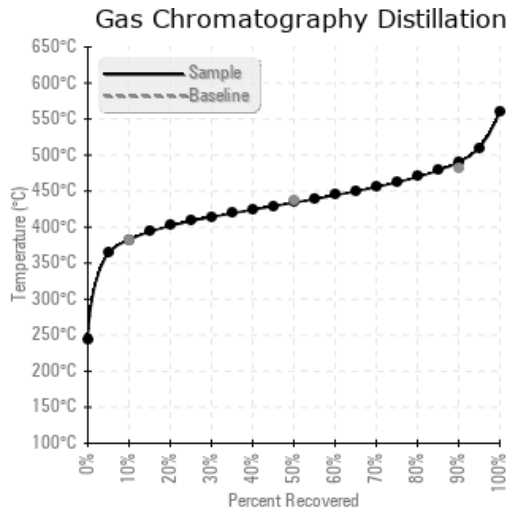
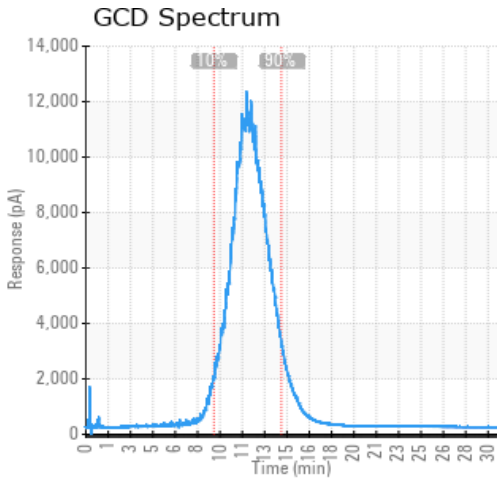
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
09/15/23	10/04/23	0.0y		450 / 232	16.7	34.6	0.02	0.065	720 / 382	813 / 434	914 / 490	1.34
09/14/22	11/03/22	3.0y	pump dischard	442 / 228	10.5	34.7	0.06	0.020	724 / 385	812 / 433	908 / 486	1.16
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00





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
09/15/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/14/22	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0
<b>Baseline Data</b>			0	0						0			0	0				0					0	

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



### Historical Comments

09/14/22	Sample results indicate that the fluid is in very good condition and is suitable for continued service. Resample in 12 months.

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