

CLAIRMONT TERMINAL (NEW COMPONENT HMO)

Customer: PTRHTF20056

COLASPHALT 26222 TOWNSHIP ROAD 530A ACHESON, AB T7X 5A7 Canada

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System Information

System Volume: 20000 ltr

Bulk Operating Temp: 428F / 220C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: HEATEC

Sample Information

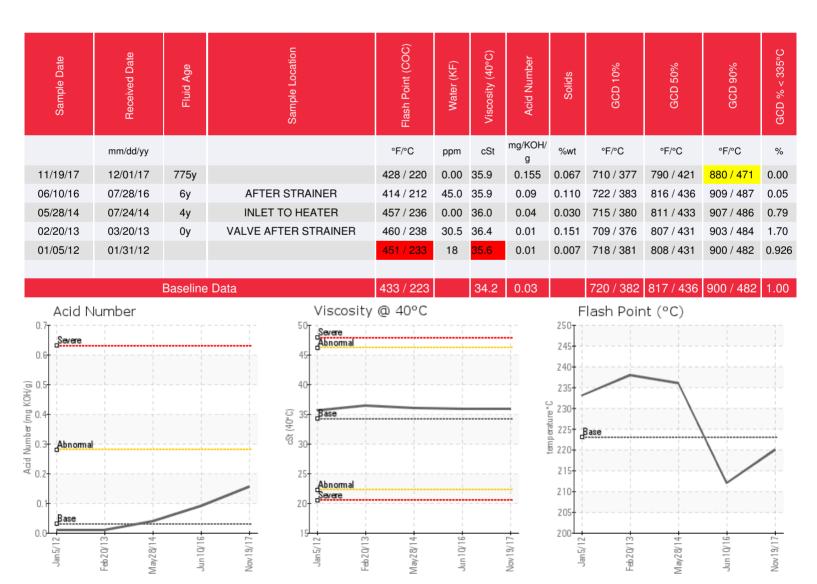
Lab No: 02185302 Analyst: Gordon Susinski Sample Date: 11/19/17 Received Date: 12/01/17 Completed: 12/05/17

To discuss this report contact Gordon

Susinski at (587)582-4118

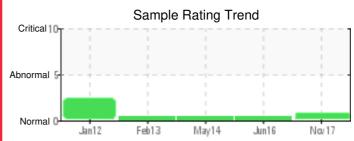
Recommendation: Note the 90% distillation result is slightly lower than expected. Otherwise, all other results appear to be within normal guidelines.

Comments: (GCD) 90% Distillation Point is marginally low.



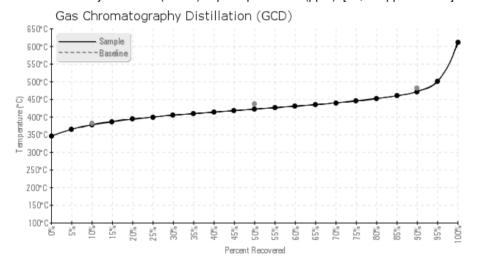


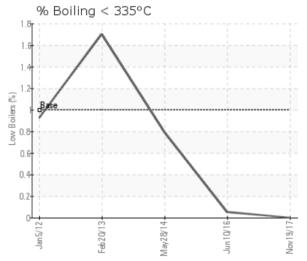




Sample Date	lron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
11/19/17	3	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
06/10/16	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
05/28/14	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0
02/20/13	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0
01/05/12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baseline Data			0	0						0			0	0					0				0	

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





	Historical Comments
06/10/16	The fluid is in good condition and suitable for further use. Please re-sample in 12 months.
05/28/14	All test parameters are testing normal, no issues at this time. Resample again in one year.
02/20/13	Despite the dark appearance, this oil looks brand new judging by the oil analysis results. Keep up the good work and re-sample yearly.
01/05/12	We can not compare the results with fresh oil as we do not seem to have the oil's name. The condition overall looks acceptable based on contamination or

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