

[LUKE BRADY / 16-08-4-3W2] HEAT MEDIUM

Customer: PTRHTF20185

STEEL REEF 16-08-04-03 W2

ALAMEDA, SK Canada

Attn: Luke Brady Tel: (306)575-8626

E-Mail: lucas.brady@steelreef.ca

System Information

System Volume: 35000 ltr

Bulk Operating Temp: 414F / 212C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: RUSHTON

Sample Information

Lab No: 02267319

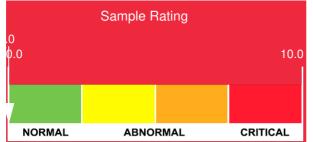
Analyst: Kevin McDermott Sample Date: 02/05/19 Received Date: 02/12/19 Completed: 02/19/19

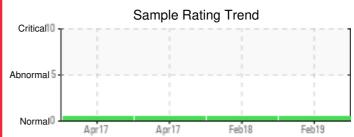
Recommendation: Fluid continues to be in very good condition, essentially no change since the previous sample Feb 2018. Suggest continue to submit annual samples to monitor fluid condition.

Comments:



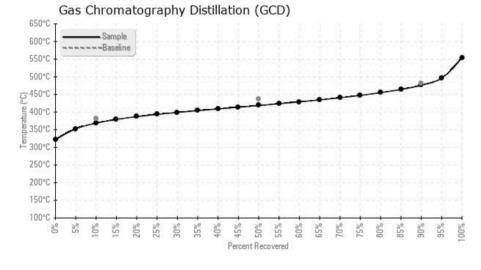


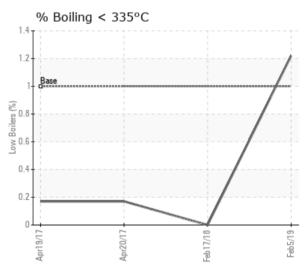




Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
02/05/19	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
02/17/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04/20/17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04/19/17	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
02/17/18	Fluid condition remains excellent. Suggest submitting samples of used fluid annually to proactively monitor fluid condition. Sooner if fluid gets exposed to severe conditions.
04/20/17	Fluid is in very good condition. Suggest annual sampling to proactively monitor the fluid condition - sooner if the fluid gets exposed to severe conditions.
04/19/17	Fluid is in very good condition. Suggest annual sampling to proactively monitor the fluid condition - sooner if the fluid gets exposed to severe conditions.

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.