[LSD 08-10-68-08-W6 Clairmont] HEAT MEDIUM

Customer: PTRHTF20245

NUVISTA ENERGY LTD

RR 93

WEMBLY, AB T8W 0H6 Canada

Attn: Brian Fox Tel: (780)380-9686

E-Mail: bfox@nvaenergy.com

System Information

System Volume: 4000 gal

Bulk Operating Temp: 536F / 280C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: ALCO

Sample Information

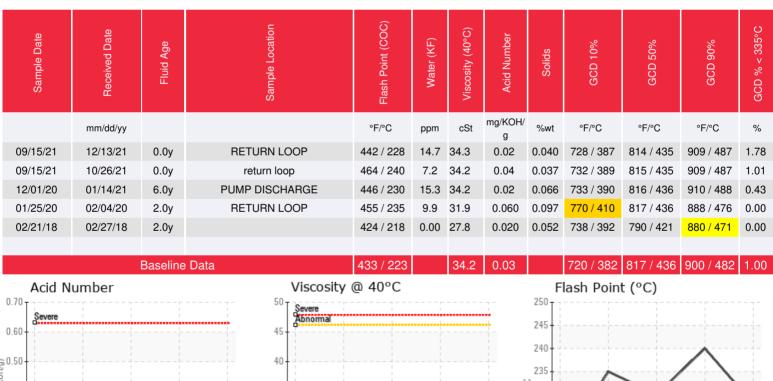
Lab No: 02461602 Analyst: Clinton Buhler Sample Date: 09/15/21 Received Date: 12/13/21 Completed: 12/15/21

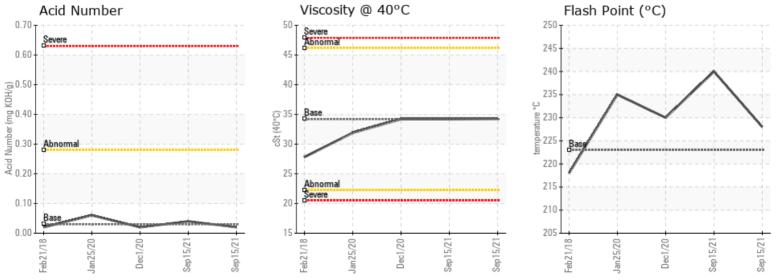
Clinton Buhler

Clinton.Buhler@hollyfrontier.com

Recommendation: Sample results indicate that the fluid is in suitable condition for continued service. Please include time on oil for next analysis. Please re-sample in 12 months

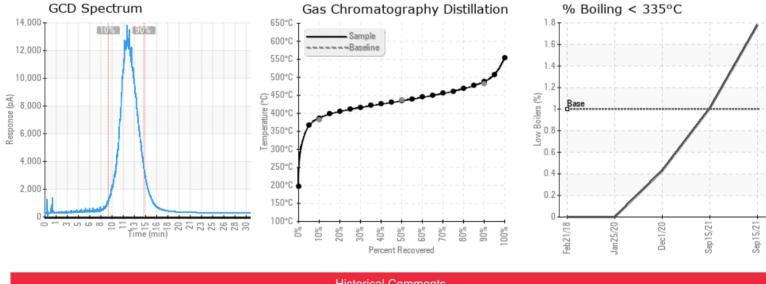
Comments:







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



Historical Comments	
09/15/21	Sample results indicate that the fluid is in suitable condition for continued service. Please re-sample in 12 months
12/01/20	Analysis results indicate that the heat transfer fluid is in suitable condition for continued service. Please re-sample in 12 months
01/25/20	Sample results indicate that the heat transfer fluid is suitable for continued service. (GCD) 10% Distillation Point has increased as has the fluids Flash Point and viscosity but are still within acceptable ranges. Continue to monitor and re-sample in 6 months.
02/21/18	Slightly reduced viscosity and flashpoint, along with reduced 90% distillation temperature can indicate thermal degradation (cracking) of the heat transfer fluid. Ensure that system is operating within design parameters and within the design limitations of the heat transfer fluid. Perform venting of the expansion tank to vent off the low boiling vapors. Re-sample fluid in 6-12 months (GCD) 90% Distillation Point is marginally low.

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.