

## [VIT E 116] EAST

## Customer: PTRHTF10004

ADM VITAMIN E PLANT 3700 EAST DIVISION STREET DECATUR, IL 62526 USA

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## System Information

System Volume: 2200 gal

Bulk Operating Temp: 550F / 288C

**Heating Source:** 

Blanket:

Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID

Make: AMERICAN HEATING

## Sample Information

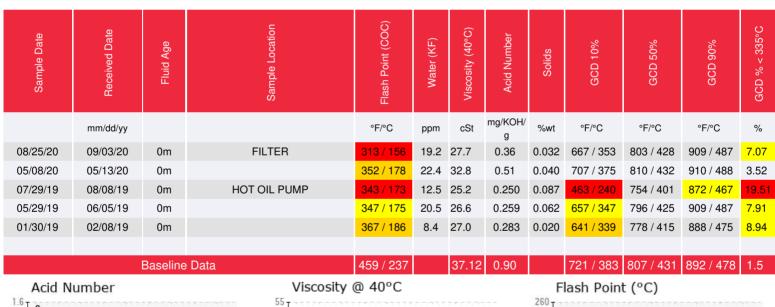
Lab No: 02374016 Analyst: Joe Goecke Sample Date: 08/25/20 Received Date: 09/03/20 Completed: 09/08/20

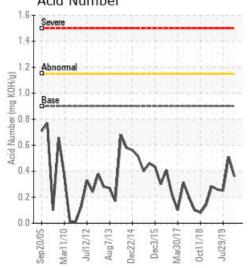
Joe Goecke

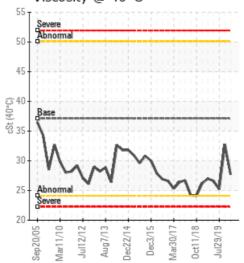
Joe.goecke@petrocanadalsp.com

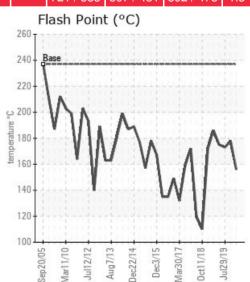
Recommendation: All major items point to a build up of low boilers. Viscosity dropped 5 cst, flash point dropped 20 deg C, and the GCD <335 increased 3.5%. All other parameters look good. Continue to run until next sample and plan for a possible change at winter shut down.

Comments: COC Flash Point is severely low.







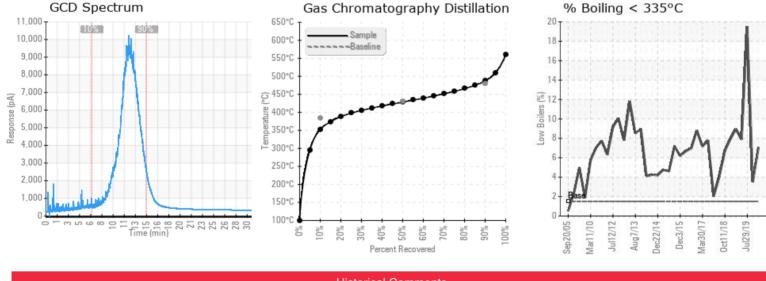




Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

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**Baseline Data** 



Historical Comments	
05/08/20	All parameters are in good shape. Flash point is a little low but okay. continue to use and resample in 90 days. COC Flash Point is abnormally low.
07/29/19	Low Boilers are very high at almost 20%. Flash point not much change or viscosity. Please consider a system change in the next 30-60 days with a resample. (GCD) % < 335°C is severely high. (GCD) 10% Distillation Point is severely low. COC Flash Point is severely low. (GCD) 90% Distillation Point is marginally low.
05/29/19	Low boilers approaching 8% with viscosity and flash points both slightly lower the system is showing some signs of these building up in the system. System is okay for continued use resample in 60-90 days. COC Flash Point is severely low. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low.
01/30/19	This sample looks better than the last. Light ends are fairly stable, flash point 10 degrees higher, and viscosity slightly higher. Overall fluid looks okay for continued use. Resample at next scheduled interval. COC Flash Point is abnormally low. (GCD) 10% Distillation Point is abnormally low. (GCD) % < 335°C is marginally high.

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