

LN01 Filled Sealdown Hot Oil System

Customer: PTRHTF10141

TAMKO BUILDING PRODUCTS

2300 35TH ST

TUSCALOOSA, AL 35401 USA

Attn: Greg Colburn Tel: (205)752-3555

E-Mail: gregory colburn@tamko.com

System Information

System Volume: 110 gal

Bulk Operating Temp: 425F / 218C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO HTF

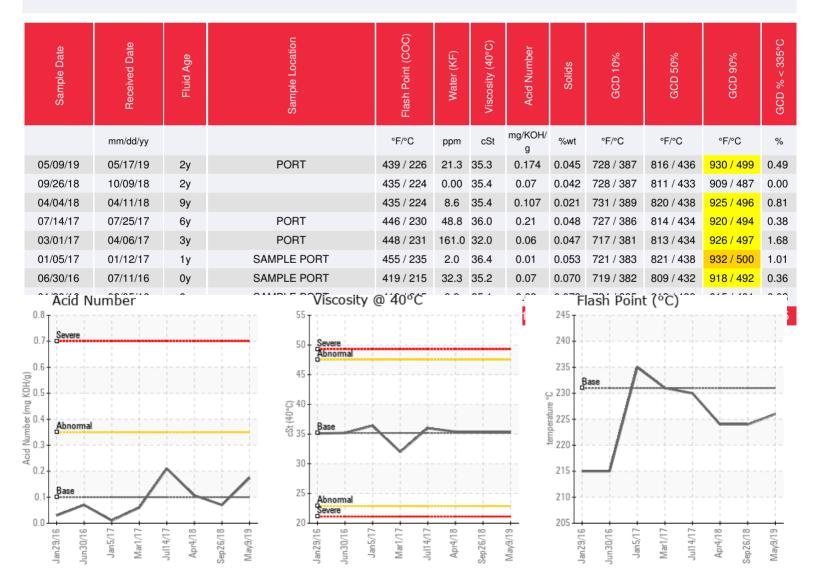
Make: Heat Exchanger And T

Sample Information

Lab No: 02285865 Analyst: Jake Finn Sample Date: 05/09/19 Received Date: 05/17/19 Completed: 05/22/19

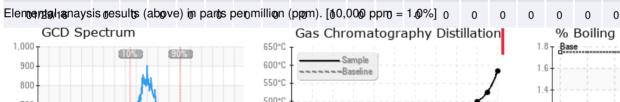
Recommendation: Oil is suitable for continued use. Please re-submit sample in 1 year.

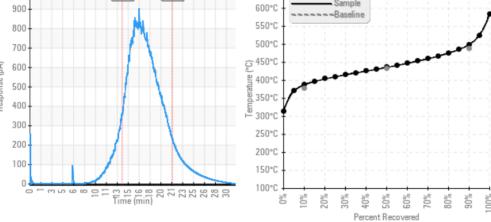
Comments: (GCD) 90% Distillation Point is marginally high. Acid number is normal, but has risen since the last sample, monitor at next test interval. Very light debris is noted by the lab.

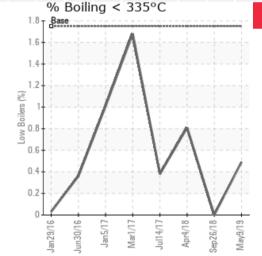


Report ID: [02285865] (Generated: 05/22/2019 12:52:07) - Page 1 - Copyright 2019 Wearcheck Inc. All Rights Reserved.









Apr 18 Sep 18 May 19

Barium

Phosphorus

Historical Comments	
09/26/18	Fluid is suitable for continued use. Please re-submit sample fluid in September 2019.
04/04/18	The fluid is suitable for continued use. 'Venting' the system may assist in bringing down the 90% distillation point. This value has been slightly elevated historically. Please re-submit sample in 12 months. (GCD) 90% Distillation Point is marginally high.
07/14/17	Oil is suitable for continued use; Please submit next annual sample during July 2018; Wear Metals are low; Water is low; Acid number is low; Viscosity is satisfactory; Pentane insolubles are low; very light debris found in sample; (GCD) 90% Distillation Point is marginally high. This can be mitigated by 'venting' the heat transfer system
03/01/17	Venting' this system may help mitigate the 90% distillation point/All other parameters are suitable for continued use/Any maintenance performed on the system to assist in lowering the 90% distillation point should have a sample re-submitted to verify any work performed otherwise please submit next scheduled annual sample as plannedWear Metals are low/Contamination levels are low/Water contamination is satisfactory/Acid number is satisfactory/Viscosity is good/COC Flash point is satisfactory(GCD) 90% Distillation Point is slightly high, but has come down since January's analysis - back to the value from June of last year/Pentane Insolubles are low/Very Light debris was noticed in sample of fluid by the lab.
01/05/17	(GCD) 90% Distillation Point is slightly higher than expected and has been in the same range historically. Recommendation to vent the system when possible to bring this value down. Sample at next normal intervalWear metals are low, but slightly higher tin and iron present as compared to historical values. No action necessary. Contaminant levels are low. Additive levels are acceptable. Higher than normal phosphorous levels of 310ppm vs an expected 10ppm. Lower in Sulphur from ∼400ppm down to 21 ppm. Possible contamination from another fluid. Pentane solids are low/good. Water is low/good. Viscosity is good.(GCD) 90% Distillation Point is higher than expected. The oil sample looks good
06/30/16 Petro-Canada make with respect to such	'Venting' system may correct the slightly high distillation figures at 90%. Please send in next sample at the next scheduled interval. Please include the time on oil & the age of the system on next sample label. Wear Metals are satisfactory-low/Contamination level is in check-low/Very low water contamination/Acid Numbers are good- es no (Mynaschalon) states and the provided in a system of the system of the system of the provided water and the system of the sy

Please re-submit sample during next normal annual schedule for this unit. Please include the Unit age and age on this oil charge of Petrotherm. Very low wear Report/19/1602285 8651 Sclew contamination presoner of water Total Acid number 28 yer Wear check living Acid number 28 yer