





## **KAONA FUTHER 5**

## Customer: PTRHTF60010

SYNLUBE INTERNATIONAL CO LTD 76/1 MOO.7 THACHIN

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# **System Information**

System Volume: 4400 ltr

Bulk Operating Temp: 545F / 285C

Heating Source:

Blanket:

Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID

Make:

### Sample Information

Lab No: 02619420

Analyst: Bill Quesnel CLS, OMA II, MLA-

III,LLA-I

Sample Date: 01/17/24 Received Date: 03/01/24 Completed: 03/06/24

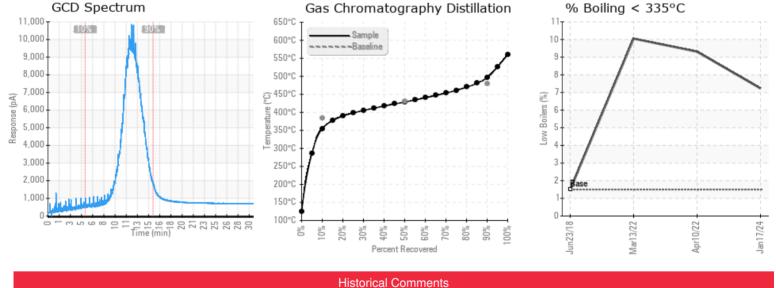
Bill Quesnel CLS, OMA II, MLA-III, LLA-I

Recommendation: We recommend that you continue to vent the expansion tank to remove low boilers which assists in restoring the flash point of the fluid. The fluid is suitable for further service. We recommend an early resample to monitor this condition.

Comments: (GCD) 90% Distillation Point is abnormally high. COC Flash Point is abnormally low.







GCD analysis indicates light ends present in the fluid. Recommend venting the expansion tank to removal any volatiles present in the fluid to restore the flash point of the fluid. Resample at the next service interval to monitor. COC Flash Point is severely low. (GCD) 10% Distillation Point is abnormally low. (GCD) % < 335°C is marginally high. The condition of the fluid is acceptable for the time in service.

Last sample the recommendation was for venting and it can be seen on the GCD curve the spike of low boiling material has gone. However, and as you will see the viscosity remains low, so this action has bought some time, and the fluid will likely deteriorate again. Recommend another sample in 6 months to monitor, with a view as changing oil, including a clean and flush (GCD) 10% Distillation Point is severely low. (GCD) % < 335°C is marginally high. COC Flash Point is marginally low.

The current fluid has normal distillation points, low acid number, low solid contents. However, the low flash point is a concern due to the high bulk oil temperature. Please do the system venting and release the low boiler as soon as possible. Please take one sample in 6 months to monitor the conditions. COC Flash Point is severely low.

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