



[ALENSI PHILIPPINES CORPORATION] ALENSI

| Customer: PTRHTF60030 | System Information | Sample Information |
|---|---|--|
| Alensi Phil Corp. BRGY. Dumadalig, Tantangan South Cotabato, 9510 Philippines Attn: Alensi Loop Tel: (639)177-080725 E-Mail: biomass-admin@alensi.ph | System Volume: 142000 ltr Bulk Operating Temp: 599F / 315C Heating Source: Blanket: Fluid: THERMINOL 66 Make: VYNCKE | Lab No: 02426385 Analyst: Philip Riley Sample Date: 05/14/21 Received Date: 06/10/21 Completed: 06/24/21 Philip Riley philip.riley@hollyfrontier.com |

Recommendation: Firstly, Therminol 66 is not a Petro-Canada Lubricants product, so there is unfamiliarity with this product. The flash point looks good, which is a key safety parameter. What looks highly unusual is the distillation curve that instead of a relatively recognizable curve, is highly disrupted. This is currently being checked in the lab, but it does not look typical for a HT Fluid in general.

Comments: (GCD) 90% Distillation Point is marginally low.

| Sample Date | Received Date | Fluid Age | Sample Location | Flash Point (COC) | Water (KF) | Viscosity (40°C) | Acid Number | Solids | GCD 10% | GCD 50% | GCD 90% | GCD % < 335°C |
|---------------|---------------|-----------|-----------------|-------------------|------------|------------------|-------------|--------|-----------|-----------|-----------|---------------|
| | mm/dd/yy | | | °F/°C | ppm | cSt | mg/KOH/g | %wt | °F/°C | °F/°C | °F/°C | % |
| 05/14/21 | 06/10/21 | 0.0y | | 388 / 198 | 78.9 | 29.6 | 0.13 | 0.084 | 646 / 341 | 665 / 352 | 785 / 419 | 8.88 |
| Baseline Data | | | | 363 / 184 | | 31.1 | 0.02 | | 640 / 338 | 696 / 369 | 811 / 433 | 11.3 |



