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| Customer: PTRHTF10205 | System Information | Sample Information |
|---|---|--|
| Kimberly-Clark; LaGrange Mill 1300 Orchard Hill Road LaGrange, GA 30240 USA Attn: Bill Rayfield Tel: (706)883-3245 E-Mail: bill.rayfield@kcc.com | System Volume: 0 gal Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: MOBIL MOBILTHERM 603 Make: | Lab No: 02250626 Analyst: Manny Garcia Sample Date: 11/08/18 Received Date: 11/09/18 Completed: 11/16/18 |

Recommendation: Fluid is suitable for continued use. Please top-up with Petro-Canada Petrotherm as fluids are compatible. Calfo AF will offer much better oxidation stability at high temperatures. Please include time on fluid and time on the system during the next sample submission. With purchase of Petro-Canada Heat Transfer Fluids, we will offer you a free used sample and expert interpretations to assist Kimberley-Clark.

Comments: Very lite white metal and debris noticed. Changing any system filters and/or applying a kidney loop filtration during a 'safe' down-time may assist in cleaning the fluid up. Water/moisture should not be in this fluid unless the system heats up and cools down often; Getting the system to normal operating temperatures should flash off any moisture. Water contamination levels are marginally high. ppm Water contamination levels are marginally high.

| 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 | % |
| 11/08/18 | 11/09/18 | 0h | | 403 / 206 | 560.1 | 14.6 | 0.138 | 0.383 | 671 / 355 | 765 / 407 | 841 / 450 | 3.18 |
| Baseline Data | | | | 379 / 193 | | 20.2 | 0.03 | | 676 / 358 | | 858 / 459 | 2.6 |



