

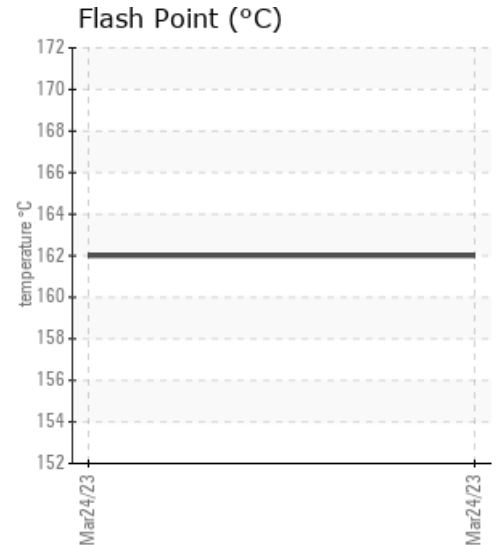
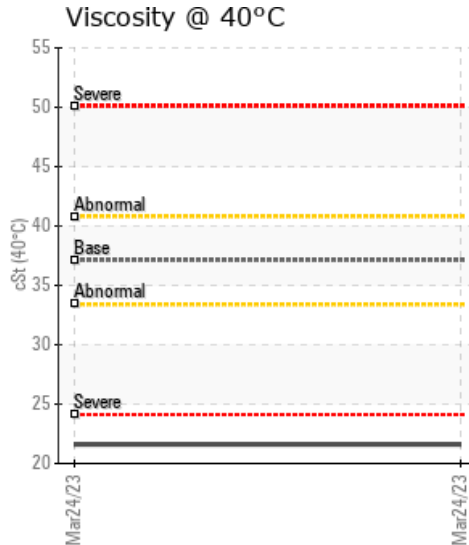
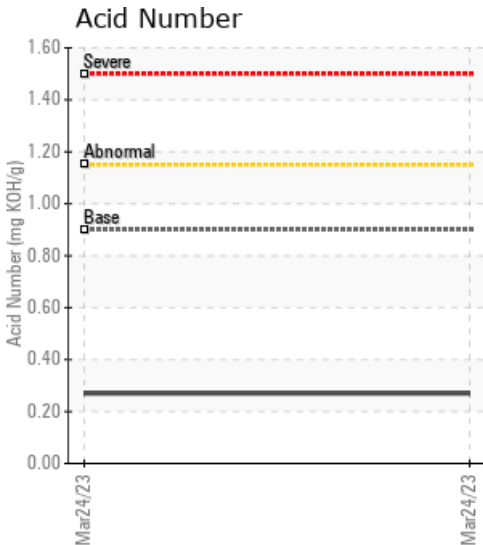
[Seremban Malaysia] TFS

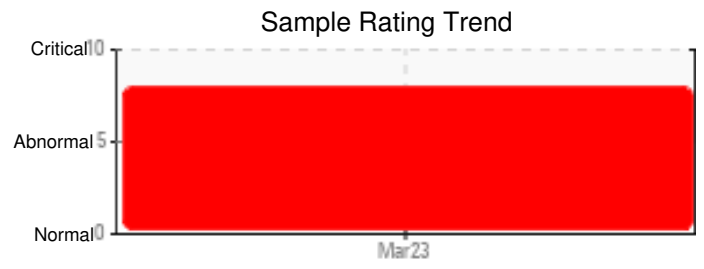
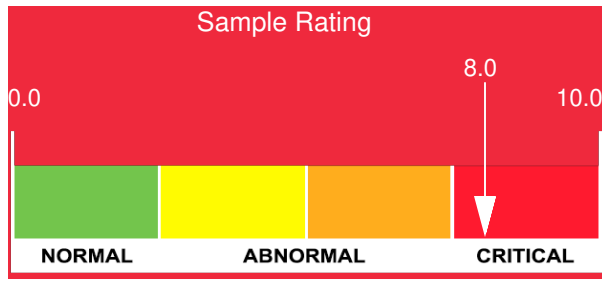
| Customer: PTRHTF60036 | System Information | Sample Information |
|--|---|--|
| ALLNEX MALAYSIA SDN BHD PT 12701, TUANKU JAAFAR IND. PARK NEGERI SEMBILON SEREMBAN, 71450 Malaysia Attn: Norhisham Bin Abal Rahman Tel: 6(012)607-6575 E-Mail: | System Volume: 6000 gal Bulk Operating Temp: 545F / 285C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: Welshaupt and Dunphy | Lab No: 02550514 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 03/24/23 Received Date: 04/10/23 Completed: 04/17/23 Bill Quesnel CLS,OMA II,MLA-III,LLA-I |

Recommendation: We recommend that you vent the expansion tank to remove low boilers which assists in restoring the flash point of the fluid. We advise an early resample to confirm this situation. NOTE: This appears to be a 50/50 mixture of two thermal fluid products.

Comments: (GCD) % < 335°C is severely high. (GCD) 10% Distillation Point is severely low. COC Flash Point is severely low. Visc @ 40°C is abnormally low.

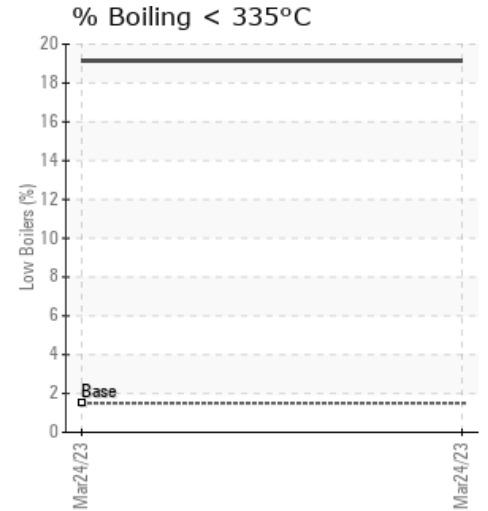
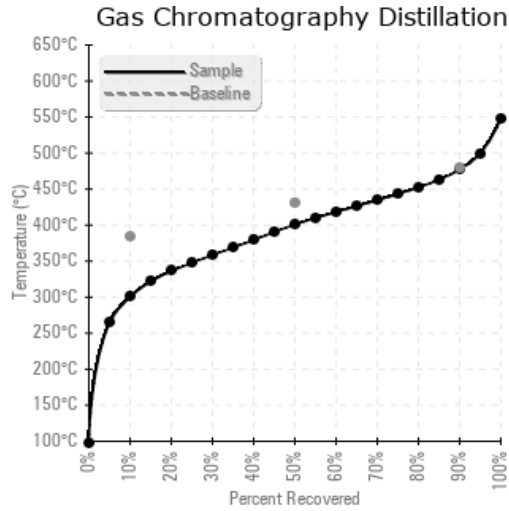
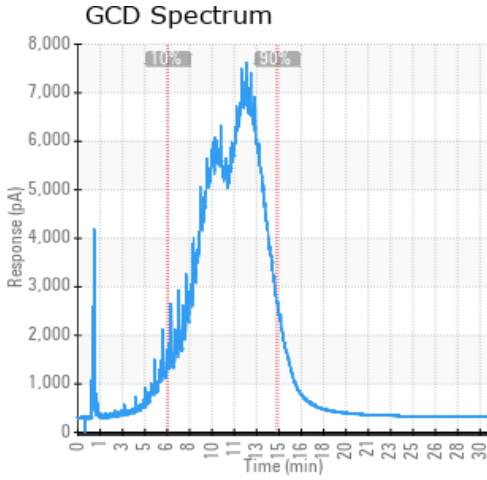
| Sample Date | Received Date | Fluid Age | Sample Location | Flash Point (COC) | Water (KF) | Viscosity (40°C) | Acid Number | Solids | GCD 10% | GCD 50% | GCD 90% | GCD % < 335°C |
|---------------|---------------|-----------|-----------------|-------------------|------------|------------------|-------------|--------|-----------|-----------|-----------|---------------|
| | mm/dd/yy | | | °F/°C | ppm | cSt | mg/KOH/g | %wt | °F/°C | °F/°C | °F/°C | % |
| 03/24/23 | 04/10/23 | 25.0y | | 324 / 162 | 20.7 | 21.6 | 0.27 | 0.356 | 572 / 300 | 753 / 401 | 891 / 477 | 19.15 |
| Baseline Data | | | | 459 / 237 | | 37.12 | 0.90 | | 721 / 383 | 807 / 431 | 892 / 478 | 1.5 |





| Sample Date | Iron | Chromium | Nickel | Aluminum | Copper | Lead | Tin | Cadmium | Silver | Vanadium | Silicon | Sodium | Potassium | Titanium | Molybdenum | Antimony | Manganese | Lithium | Boron | Magnesium | Calcium | Barium | Phosphorus | Zinc | |
|----------------------|------|----------|--------|----------|--------|------|-----|---------|--------|----------|---------|--------|-----------|----------|------------|----------|-----------|---------|-------|-----------|---------|--------|------------|------|---|
| 03/24/23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 |
| Baseline Data | | | 0 | 0 | | | | | | 0 | | | 0 | 0 | | | | 0 | 0 | | | | | 230 | |

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



Historical Comments

| |
|--|
| |
| |
| |
| |
| |

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.