

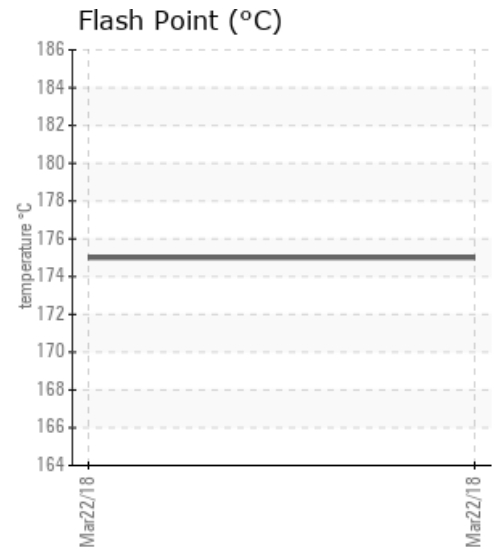
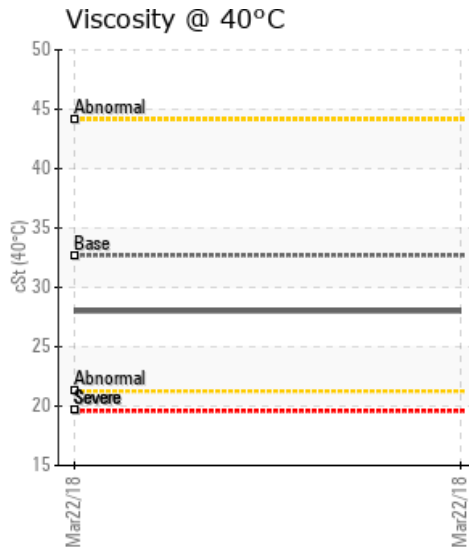
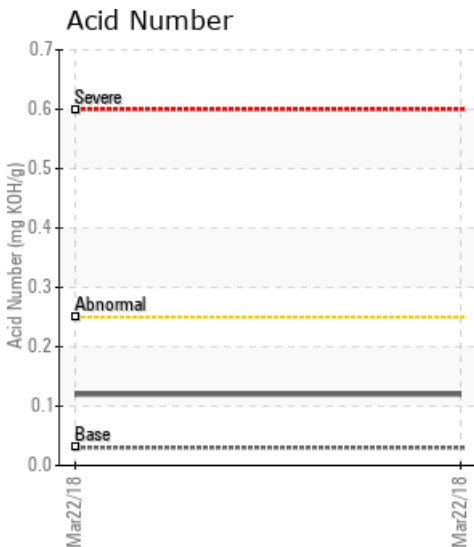
HMP5

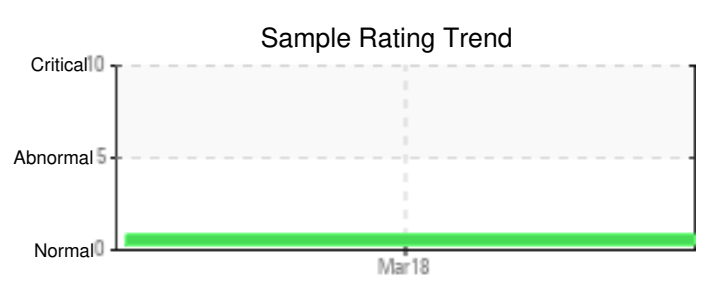
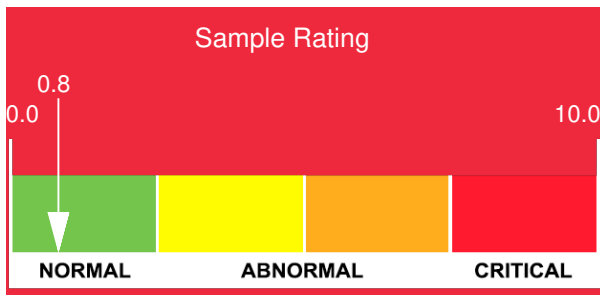
| Customer: PTRHTF30095 | System Information | Sample Information |
|--|---|---|
| HP Pelzer 115 Industrial Way Athens, TN 37303 Canada Attn: Conway Tabor Tel: (423)333-9402 E-Mail: ctabor@hpelzer.com | System Volume: 0 gal Bulk Operating Temp: 425F / 218C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make: | Lab No: 02208002 Analyst: Manny Garcia Sample Date: 03/22/18 Received Date: 04/03/18 Completed: 04/11/18 To discuss this report contact Manny Garcia at 954-384-7259 |

Recommendation: Fluid is suitable for continued use. Please include the amount of volume in the system, the time on the fluid and the age of the unit on the next annual samples submitted in 2019/April.

Comments: COC Flash Point is abnormally low by 49oC

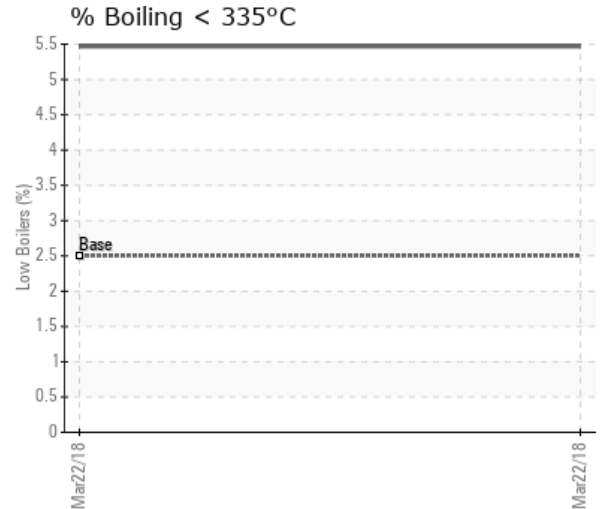
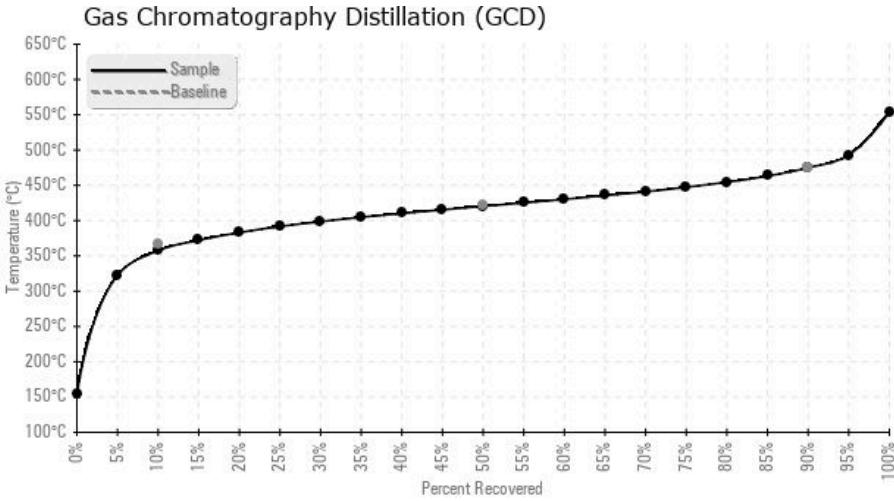
| Sample Date | Received Date | Fluid Age | Sample Location | Flash Point (COC) | Water (KF) | Viscosity (40°C) | Acid Number | Solids | GCD 10% | GCD 50% | GCD 90% | GCD % < 335°C |
|---------------|---------------|-----------|-----------------|-------------------|------------|------------------|-------------|--------|-----------|-----------|-----------|---------------|
| | mm/dd/yy | | | °F/°C | ppm | cSt | mg/KOH/g | %wt | °F/°C | °F/°C | °F/°C | % |
| 03/22/18 | 04/03/18 | 0m | | 347 / 175 | 14.3 | 28.0 | 0.12 | 0.077 | 676 / 358 | 789 / 420 | 887 / 475 | 5.47 |
| Baseline Data | | | | 435 / 224 | | 32.7 | 0.03 | | 693 / 367 | 790 / 421 | 887 / 475 | 2.5 |





| 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 |
|----------------------|------|----------|--------|----------|--------|------|-----|---------|--------|----------|---------|--------|-----------|----------|------------|----------|-----------|---------|-------|-----------|---------|--------|------------|------|
| 03/22/18 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 0 |
| Baseline Data | | | 0 | 0 | | | | | | 0 | | | 0 | 0 | | | | | 0 | | | | 270 | |

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



Historical Comments

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