

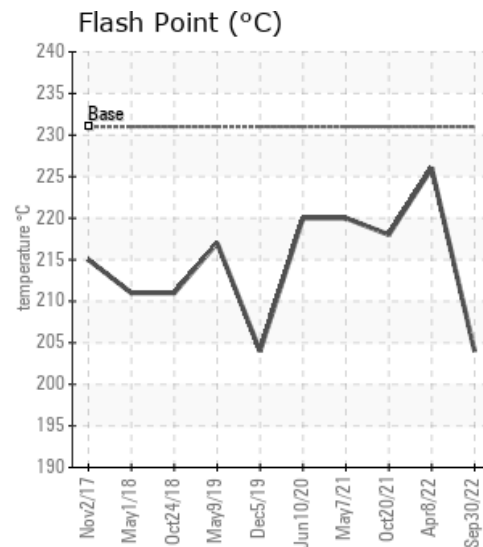
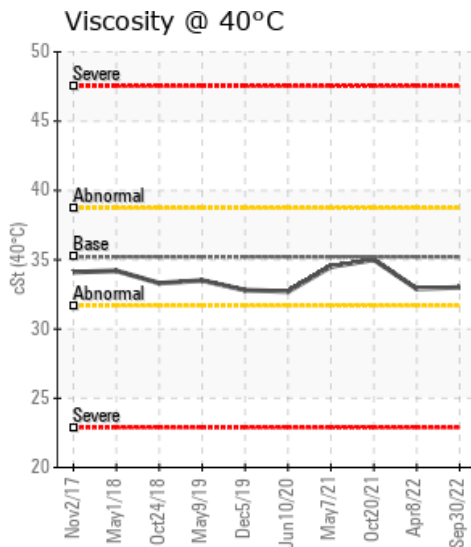
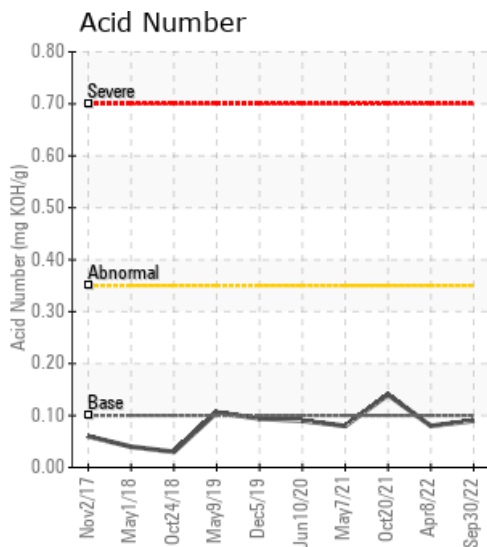
LN01 Laminator Hot Oil System

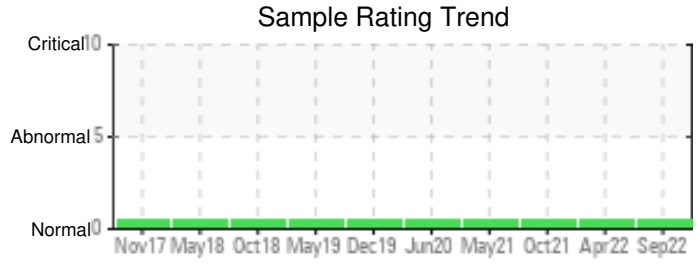
| Customer: PTRHTF10141 | System Information | Sample Information |
|--|---|--|
| TAMKO BUILDING PRODUCTS 2300 35TH ST TUSCALOOSA, AL 35401 USA Attn: Eric Foote Tel: x: E-Mail: eric_foote@tamko.com | System Volume: 110 gal Bulk Operating Temp: 350F / 177C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO HTF Make: Heat Exchanger And T | Lab No: 02515790 Analyst: Jake Finn Sample Date: 09/30/22 Received Date: 10/12/22 Completed: 10/24/22 Jake Finn jake.finn@HFSinclair.com |

Recommendation: Sample appears to be in great condition, no signs of component wear, fluid degradation or contamination. Slight rise in pentane insolubles compared to previous samples, but condition is still well within a safe range for now. We will monitor the levels at the next sampling interval. Fluid is otherwise suitable for continued use. Resample in 12 months.

Comments: N/A

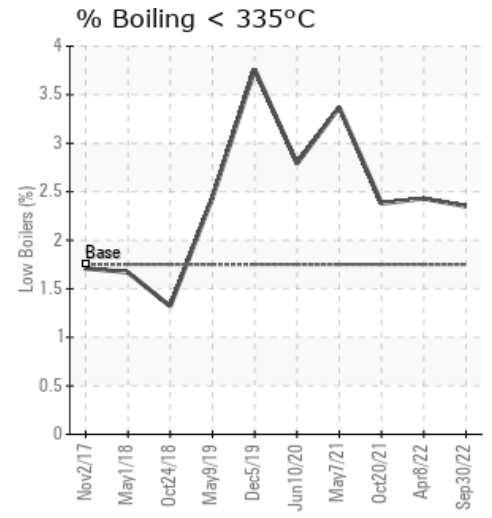
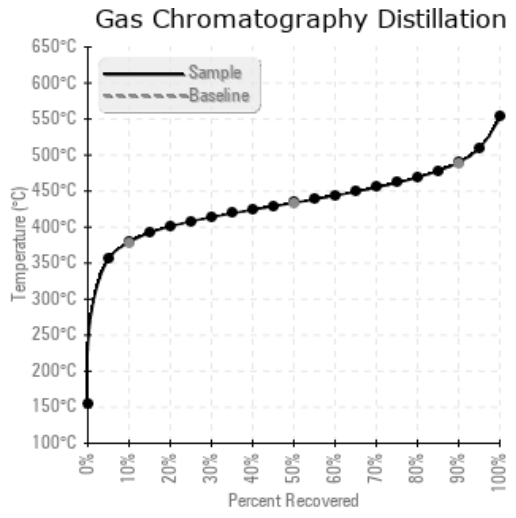
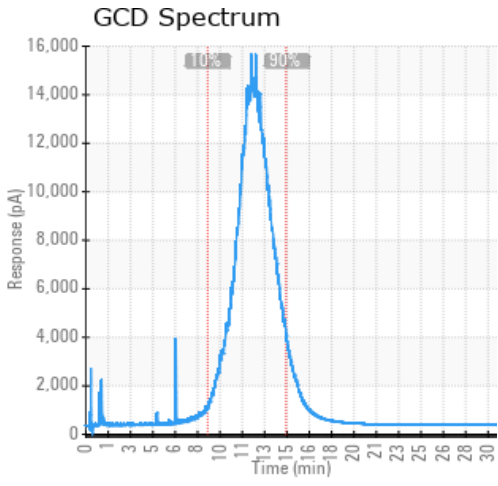
| Sample Date | Received Date | Fluid Age | Sample Location | Flash Point (COC) | Water (KF) | Viscosity (40°C) | Acid Number | Solids | GCD 10% | GCD 50% | GCD 90% | GCD % < 335°C |
|---------------|---------------|-----------|-----------------|-------------------|------------|------------------|-------------|--------|-----------|-----------|-----------|---------------|
| | mm/dd/yy | | | °F/°C | ppm | cSt | mg/KOH/g | %wt | °F/°C | °F/°C | °F/°C | % |
| 09/30/22 | 10/12/22 | 0.0y | | 399 / 204 | 2.7 | 33.0 | 0.09 | 0.128 | 714 / 379 | 813 / 434 | 913 / 490 | 2.35 |
| 04/08/22 | 04/21/22 | 0.0y | | 439 / 226 | 17.2 | 32.9 | 0.08 | 0.036 | 712 / 378 | 813 / 434 | 915 / 491 | 2.43 |
| 10/20/21 | 11/02/21 | 0.0y | | 424 / 218 | 17.4 | 35.0 | 0.14 | 0.046 | 720 / 382 | 813 / 434 | 918 / 492 | 2.38 |
| 05/07/21 | 05/19/21 | 0.0y | | 428 / 220 | 24.0 | 34.5 | 0.08 | 0.043 | 699 / 371 | 800 / 427 | 894 / 479 | 3.37 |
| 06/10/20 | 06/29/20 | 0.0y | | 428 / 220 | 6.7 | 32.7 | 0.09 | 0.162 | 708 / 375 | 810 / 432 | 906 / 486 | 2.79 |
| Baseline Data | | | | 448 / 231 | | 35.20 | .1 | | 712 / 378 | 810 / 432 | 910 / 488 | 1.75 |





| 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 | |
|----------------------|------|----------|--------|----------|--------|------|-----|---------|--------|----------|---------|--------|-----------|----------|------------|----------|-----------|---------|-------|-----------|---------|--------|------------|------|---|
| 09/30/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | |
| 04/08/22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 |
| 10/20/21 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 99 | 2 | |
| 05/07/21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | |
| 06/10/20 | 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 | | | | | 280 | |

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



| Historical Comments | |
|---------------------|---|
| 04/08/22 | Sample indicates no significant wear, contamination or fluid degradation. This fluid is suitable for continued use, please resample and submit for testing in 12 months.N/A |
| 10/20/21 | Sample indicates the system fluid is in great condition, shows no sign of degradation or contamination at this time, and is suitable for continued use.N/A |
| 05/07/21 | Analysis indicates the current fluid is in great condition and is suitable for continued use. Please resample and submit for testing in one year.N/A |
| 06/10/20 | Fluid is suitable for continued use. Please resubmit for testing in one year.Very light white metal and debris noted by lab. Consider checking system filters and changing them if necessary. |

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