

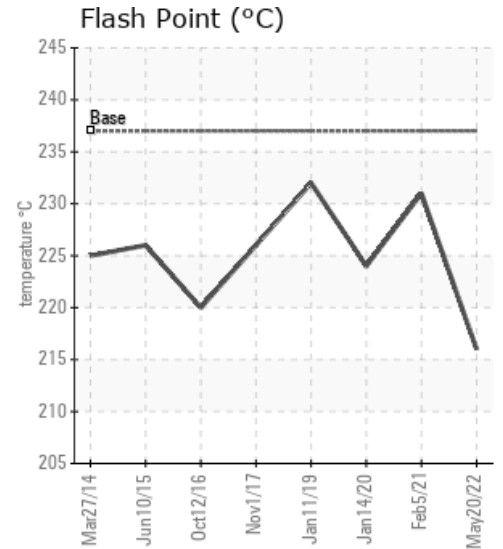
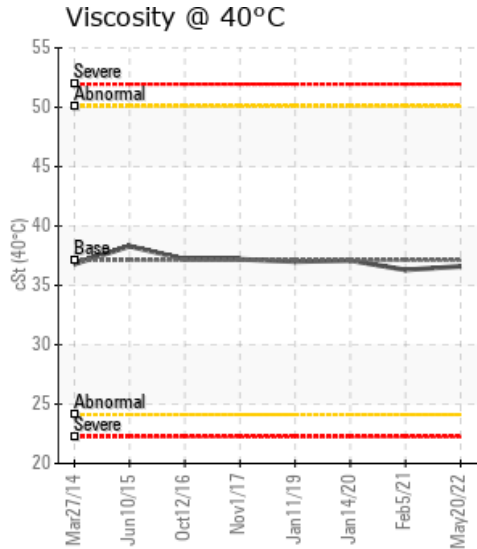
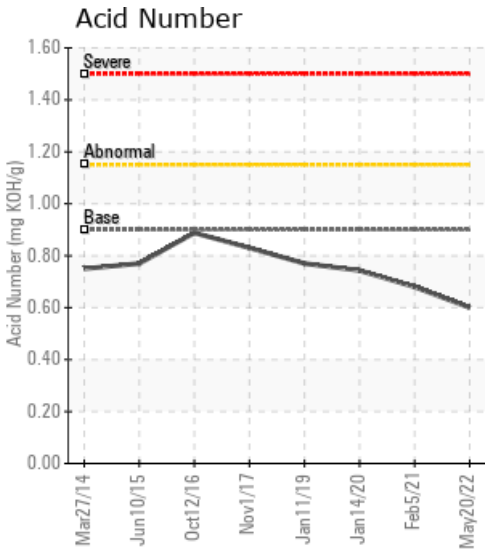
## TPC1650LN

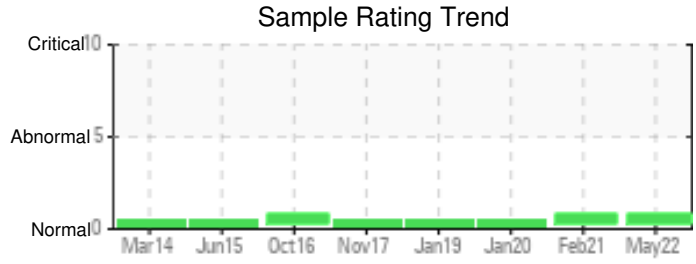
| Customer: PTRHTF40111  | System Information  | Sample Information   |
|--|---|--|
| CODRICO ROTTERDAM B.V<br>RYNHAVEN 2.2.15<br>ROTTERDAM, 3072AJ Netherlands<br>Attn: Wilbert Snijers<br>Tel:<br>E-Mail: w.snijers@klt.nl | System Volume: 3600 ltr<br>Bulk Operating Temp: 392F / 200C<br>Heating Source:<br>Blanket:<br>Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID<br>Make: WANSON | Lab No: 02491126<br>Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I<br>Sample Date: 05/20/22<br>Received Date: 05/27/22<br>Completed: 06/03/22<br>Bill Quesnel CLS,OMA II,MLA-III,LLA-I |

Recommendation: Oil appears in good condition and is fit for further use. Please re-sample at normal frequency

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

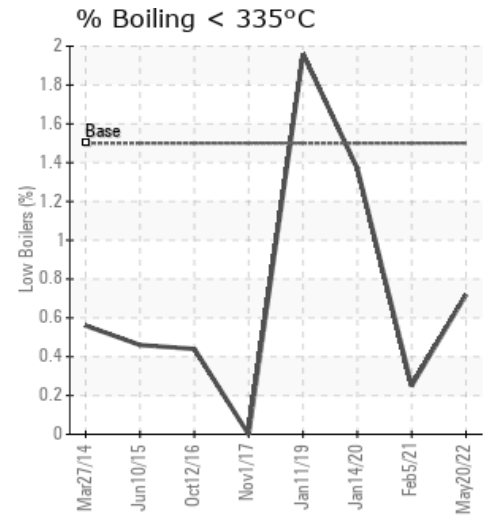
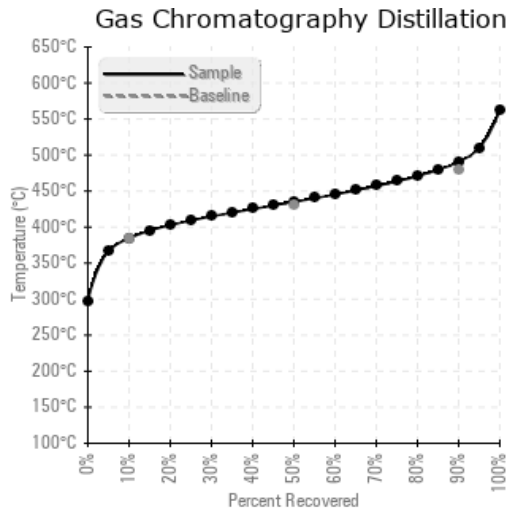
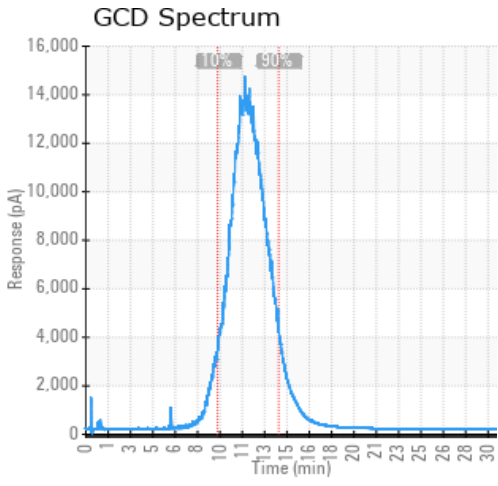
| Sample Date   | Received Date | Fluid Age | Sample Location | Flash Point (COC) | Water (KF) | Viscosity (40°C) | Acid Number | Solids | GCD 10%   | GCD 50%   | GCD 90%   | GCD % < 335°C |
|---------------|---------------|-----------|-----------------|-------------------|------------|------------------|-------------|--------|-----------|-----------|-----------|---------------|
|               | mm/dd/yy      |           |                 | °F/°C             | ppm        | cSt              | mg/KOH/g    | %wt    | °F/°C     | °F/°C     | °F/°C     | %             |
| 05/20/22      | 05/27/22      | 8.0y      |                 | 421 / 216         | 15.5       | 36.6             | 0.60        | 0.090  | 724 / 384 | 815 / 435 | 915 / 491 | 0.72          |
| 02/05/21      | 02/22/21      | 7.0y      |                 | 448 / 231         | 4.3        | 36.3             | 0.68        | 0.069  | 725 / 385 | 814 / 435 | 913 / 490 | 0.25          |
| 01/14/20      | 01/20/20      | 6.0y      |                 | 435 / 224         | 14.0       | 37.1             | 0.743       | 0.077  | 730 / 388 | 803 / 428 | 893 / 479 | 1.37          |
| 01/11/19      | 01/22/19      | 0.0y      |                 | 450 / 232         | 6.3        | 37.0             | 0.77        | 0.040  | 679 / 360 | 775 / 413 | 881 / 472 | 1.96          |
| 11/01/17      | 11/06/17      | 0.0y      |                 | 439 / 226         | 9.4        | 37.2             | 0.830       | 0.032  | 737 / 392 | 807 / 431 | 902 / 484 | 0.00          |
| 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 |
|---------------|------|----------|--------|----------|--------|------|-----|---------|--------|----------|---------|--------|-----------|----------|------------|----------|-----------|---------|-------|-----------|---------|--------|------------|------|
| 05/20/22      | 102  | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 0       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 127        | 2    |
| 02/05/21      | 44   | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 0       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 131        | 0    |
| 01/14/20      | 43   | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 0       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 177        | 1    |
| 01/11/19      | 41   | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 1       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 184        | 2    |
| 11/01/17      | 36   | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 1       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 225        | 2    |
| 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 |  |
|---------------------|--|
| 02/05/21            | Oil appears in good condition and is fit for further use. Please re-sample at normal frequency (GCD) 90% Distillation Point is marginally high.  |
| 01/14/20            | All parameters test within normal limits and fluid fit for further use. Note there is a low molecule peak evident but does not seem to affect the COC Flash Pt. Please resample in 12 months |
| 01/11/19            | Fluid is in good conditions fully suitable for farther operation.  |
| 11/01/17            | Results are normal, the fluid good for farther use.  |

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