

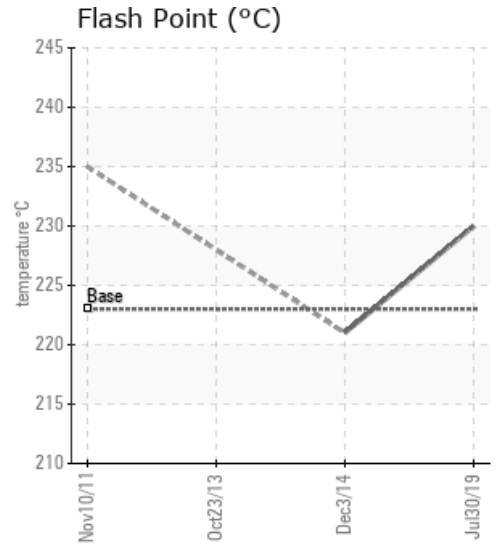
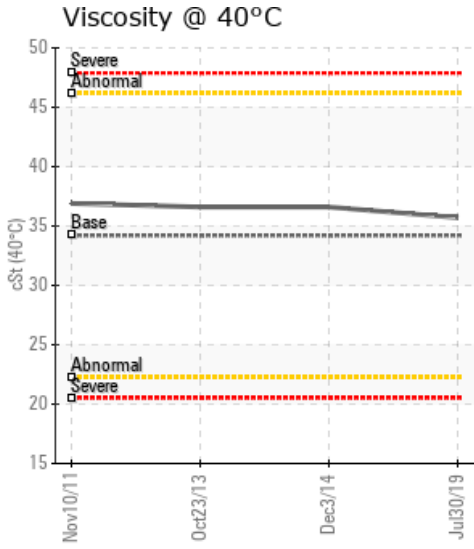
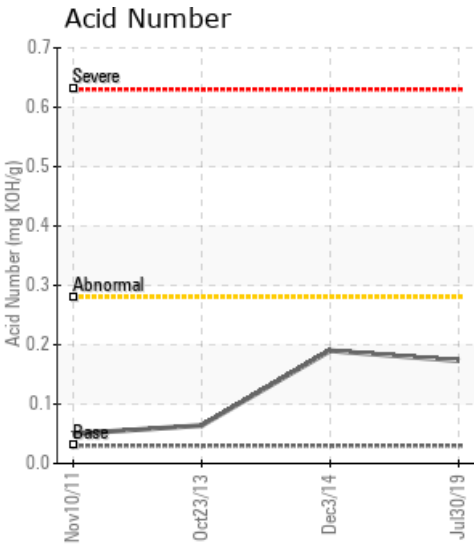
IKO TANK FARM

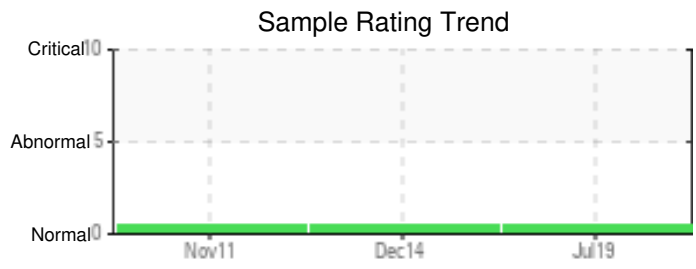
| Customer: PTRHTF30052 | System Information | Sample Information |
|--|---|---|
| I G MACHINES AND FIBER 87 ORENDA RD. BRAMPTON, ON L6W 1V7 Canada Attn: Alan Zhao Tel: (905)457-2880 E-Mail: alan.zhao@iko.com | System Volume: 10000 ltr Bulk Operating Temp: 450F / 232C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: | Lab No: 02302191 Analyst: Lynn Billings Sample Date: 07/30/19 Received Date: 08/12/19 Completed: 08/22/19 |

Recommendation: The fluid appears in good condition. All critical parameters are within optimal ranges.

Comments:

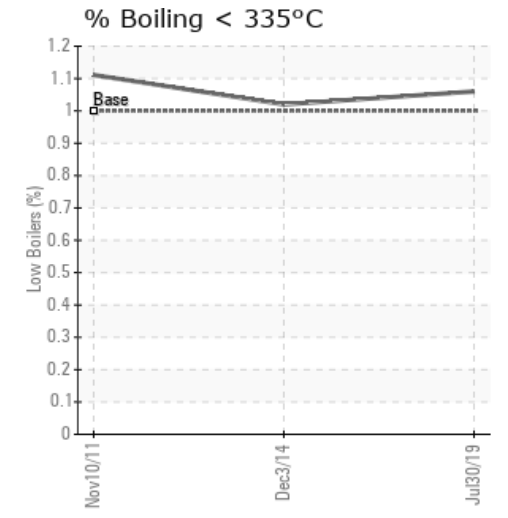
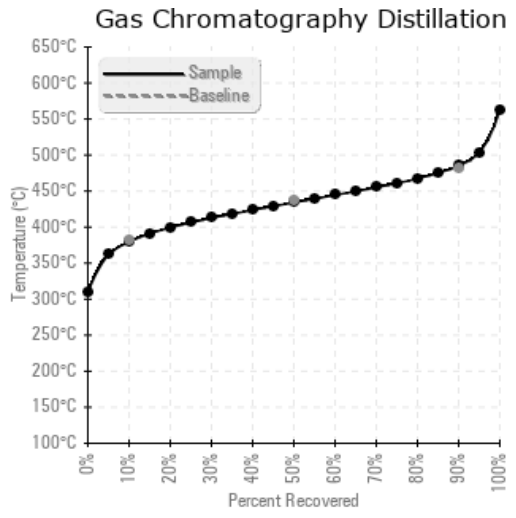
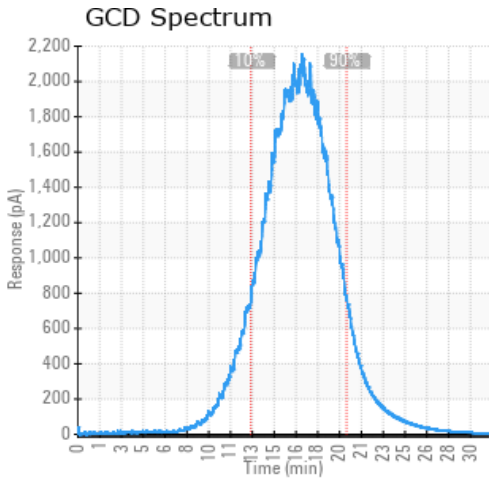
| Sample Date | Received Date | Fluid Age | Sample Location | Flash Point (COC) | Water (KF) | Viscosity (40°C) | Acid Number | Solids | GCD 10% | GCD 50% | GCD 90% | GCD % < 335°C |
|---------------|---------------|-----------|-----------------|-------------------|------------|------------------|-------------|--------|-----------|-----------|-----------|---------------|
| | mm/dd/yy | | | °F/°C | ppm | cSt | mg/KOH/g | %wt | °F/°C | °F/°C | °F/°C | % |
| 07/30/19 | 08/12/19 | 0h | PIPING | 446 / 230 | 30.3 | 35.7 | 0.173 | 0.159 | 715 / 380 | 814 / 434 | 905 / 485 | 1.06 |
| 12/03/14 | 12/03/14 | 0h | | 430 / 221 | 9.7 | 36.6 | 0.190 | 0.090 | 711 / 377 | 812 / 434 | 916 / 491 | 1.02 |
| 10/23/13 | 10/24/13 | 0h | | | | 36.6 | 0.064 | | | | | |
| 11/10/11 | 11/14/11 | 4h | MAIN SYSTEM | 455 / 235 | 8 | 36.9 | 0.05 | 0.007 | 717 / 381 | 814 / 435 | 898 / 481 | 1.111 |
| Baseline Data | | | | 433 / 223 | | 34.2 | 0.03 | | 720 / 382 | 817 / 436 | 900 / 482 | 1.00 |





| 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 |
|---------------|------|----------|--------|----------|--------|------|-----|---------|--------|----------|---------|--------|-----------|----------|------------|----------|-----------|---------|-------|-----------|---------|--------|------------|------|
| 07/30/19 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| 12/03/14 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/23/13 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 11/10/11 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 3 | 0 |
| Baseline Data | | | 0 | 0 | | | | | | 0 | | | 0 | 0 | | | | | 0 | | | | 0 | |

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



| Historical Comments | |
|---------------------|---|
| 12/03/14 | Routine Monitoring - no action required at this time. Resample again in 12 months. |
| 10/23/13 | Resample at the next service interval to monitor. WearCheck recommends using HTTFL sample kits for heat transfer fluids. Please contact us at 1-800-268-2131 and provide a purchase order for \$245 + HST in order to conduct additional testing (boiling points @ 10%, 50%, and 90%, percent boiling < 335°C, and solids) to determine the suitability for continued use.(not applicable) There is no indication of any contamination in the component(unconfirmed). There is no indication of any contamination in the component. The condition of the fluid is acceptable for the time in service (unconfirmed). |
| 11/10/11 | All the properties tested indicate the fluid appears to be in great condition at this time. No action required other than re-sample in 6-9 months. |

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