

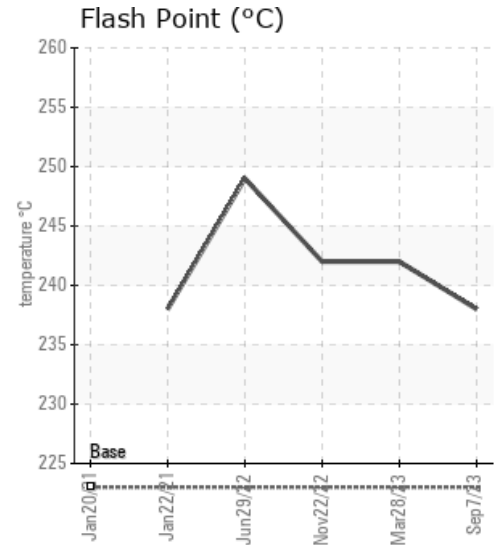
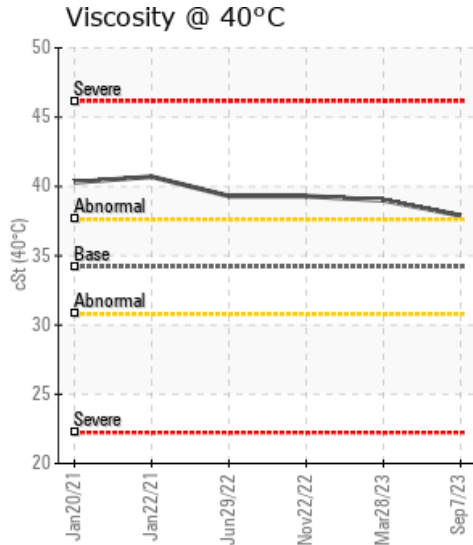
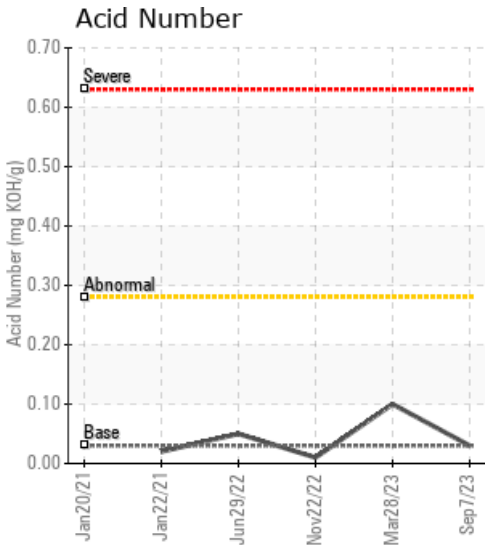
## [01-21-63-02W6] LATOR 1 HEAT MEDIUM

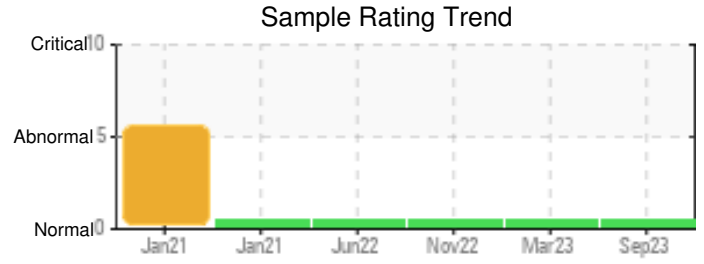
| Customer: PTRHTF20207            | System Information               | Sample Information            |
|----------------------------------|----------------------------------|-------------------------------|
| Arc Resources                    | System Volume: 8000 ltr          | Lab No: 02584768              |
| Grande Prairie, AB T8V 8H7 CA    | Bulk Operating Temp: 302F / 150C | Analyst: Clinton Buhler       |
| Attn: Jamie Lawson               | Heating Source:                  | Sample Date: 09/07/23         |
| Tel: (250)262-8656               | Blanket:                         | Received Date: 09/22/23       |
| E-Mail: jlawson@arcresources.com | Fluid: PETRO CANADA PETRO-THERM  | Completed: 09/26/23           |
|                                  | Make: PETRO TECH                 | Clinton Buhler                |
|                                  |                                  | Clinton.Buhler@HFSinclair.com |

Recommendation: Sample results indicate this mix of Chevron 46 and Petro-Therm is in suitable condition for continued service. Please re-sample in 12 months.

Comments:

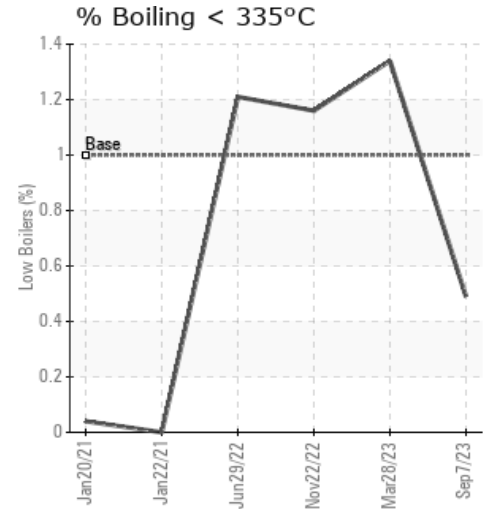
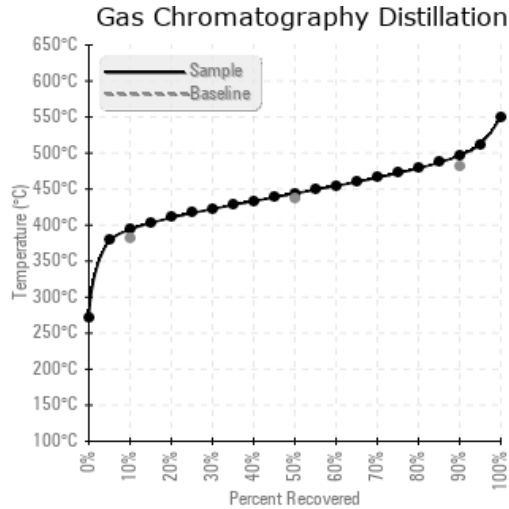
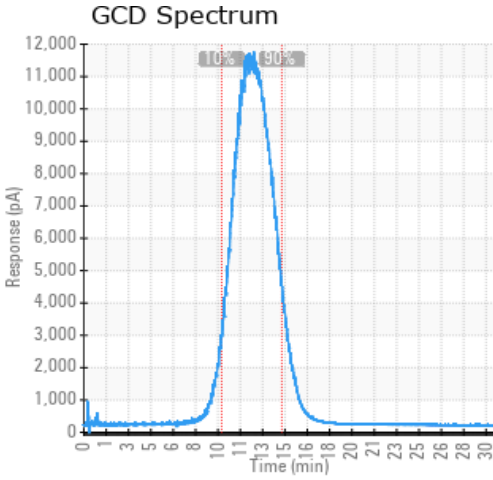
| Sample Date   | Received Date | Fluid Age | Sample Location | Flash Point (COC) | Water (KF) | Viscosity (40°C) | Acid Number | Solids | GCD 10%   | GCD 50%   | GCD 90%   | GCD % < 335°C |
|---------------|---------------|-----------|-----------------|-------------------|------------|------------------|-------------|--------|-----------|-----------|-----------|---------------|
|               | mm/dd/yy      |           |                 | °F/°C             | ppm        | cSt              | mg/KOH/g    | %wt    | °F/°C     | °F/°C     | °F/°C     | %             |
| 09/07/23      | 09/22/23      | 4.0y      | discharge pump  | 460 / 238         | 72.4       | 37.9             | 0.03        | 0.054  | 741 / 394 | 831 / 444 | 926 / 497 | 0.49          |
| 03/28/23      | 04/11/23      | 4.0y      |                 | 468 / 242         | 50.2       | 39.0             | 0.10        | 0.039  | 749 / 398 | 840 / 449 | 930 / 499 | 1.34          |
| 11/22/22      | 12/02/22      | 3.0y      | pump discharge  | 468 / 242         | 24.8       | 39.3             | 0.01        | 0.030  | 750 / 399 | 840 / 449 | 931 / 500 | 1.16          |
| 06/29/22      | 07/20/22      | 3.2y      | Pump discharge  | 480 / 249         | 30.9       | 39.3             | 0.05        | 0.062  | 747 / 397 | 840 / 449 | 928 / 498 | 1.21          |
| 01/22/21      | 02/19/21      | 2.5y      | Pump discharge  | 460 / 238         | 20.5       | 40.7             | 0.02        | 0.086  | 751 / 399 | 841 / 449 | 928 / 498 | 0.00          |
| 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 |
|---------------|------|----------|--------|----------|--------|------|-----|---------|--------|----------|---------|--------|-----------|----------|------------|----------|-----------|---------|-------|-----------|---------|--------|------------|------|
| 09/07/23      | 0    | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 0       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 0          | 1    |
| 03/28/23      | 0    | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 0       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 0          | 0    |
| 11/22/22      | 0    | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 0       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 0          | 0    |
| 06/29/22      | 0    | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 0       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 0          | 0    |
| 01/22/21      | 4    | 0        | 0      | 0        | 0      | 0    | 0   | 0       | 0      | 0        | 0       | 0      | 0         | 0        | 0          | 0        | 0         | 0       | 0     | 0         | 0       | 0      | 0          | 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

|          |   |
|----------|---|
| 03/28/23 | Sample results indicate that the heat transfer fluid is in suitable condition for continued service. Please re-sample after 12 months.  |
| 11/22/22 | Sample results indicate that the heat transfer fluid is in suitable condition for continued service. Please re-sample after 12 months.  |
| 06/29/22 | Sample results indicate that the heat transfer fluid is in suitable condition for continued service. Please re-sample in 12 months.   |
| 01/22/21 | Sample results indicate that the fluid is in suitable condition for continued service; this re-sample was taken after the previous sample contained excessive amounts of water contamination. Water is now at 20ppm which is very low. Please re-sample in 12 months. |

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