



# OIL ANALYSIS REPORT

|                 |                  |
|-----------------|------------------|
| WEAR            | <b>NORMAL</b>    |
| CONTAMINATION   | <b>ATTENTION</b> |
| FLUID CONDITION | <b>NORMAL</b>    |

Machine Id  
**C-2 MSSC2 (S/N S1795)**  
 Component  
**Compressor**  
 Fluid  
**CHEVRON CAPELLA OIL WF 68 (--- GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

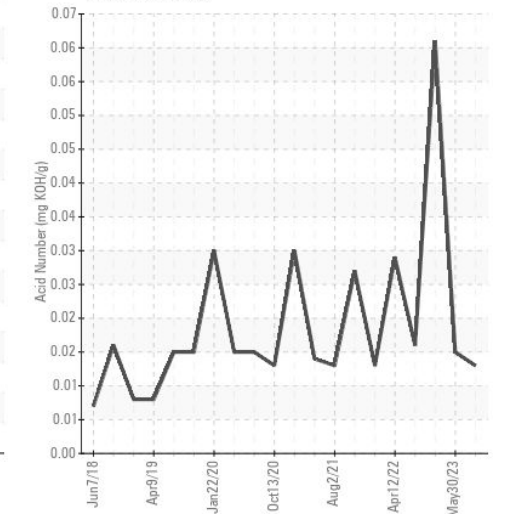
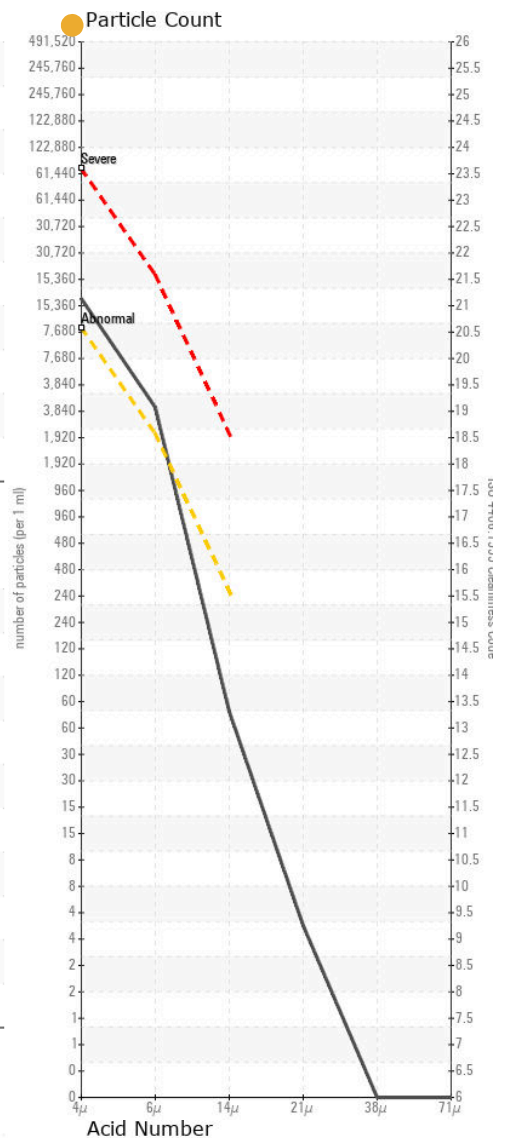
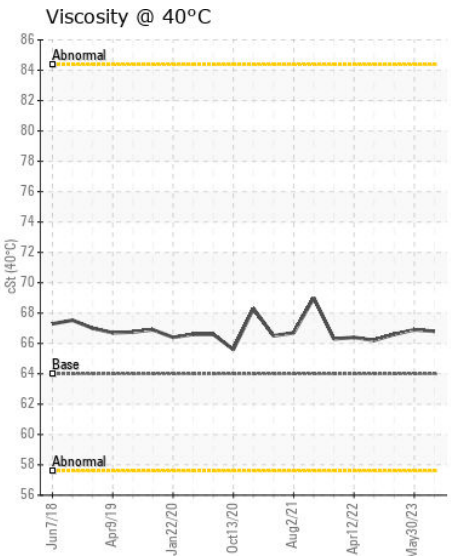
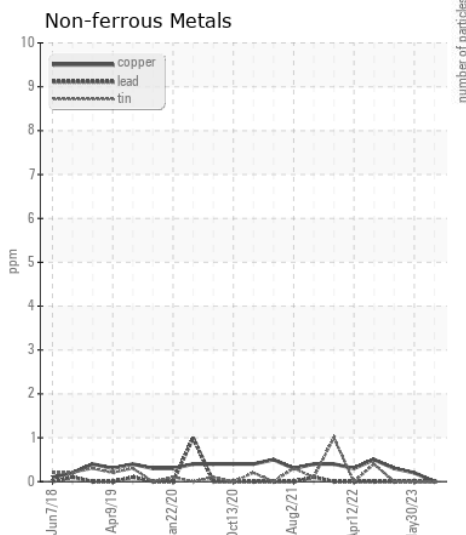
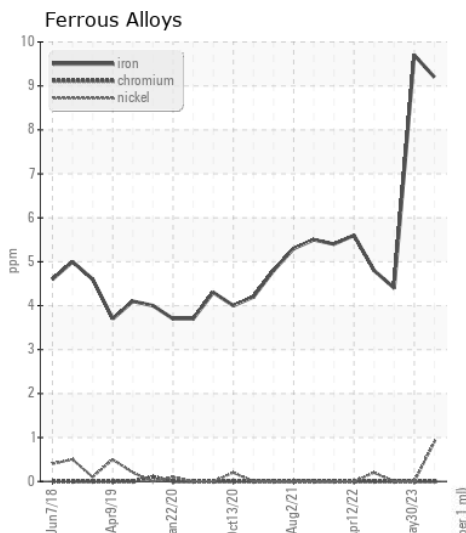
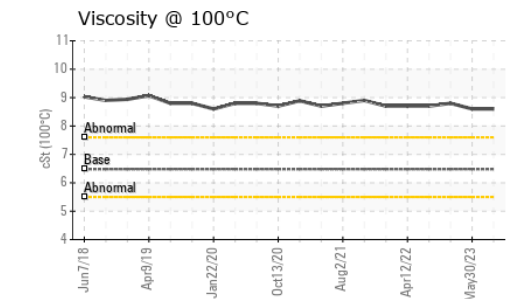
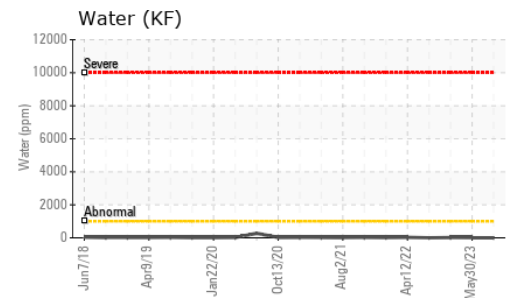
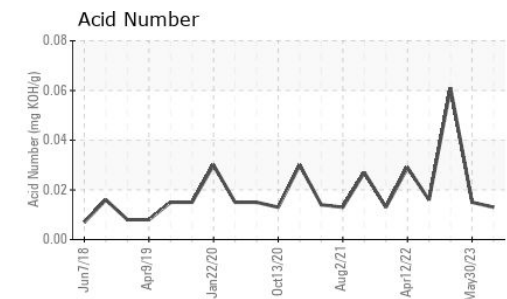
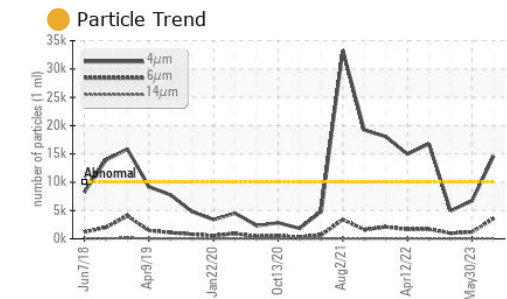
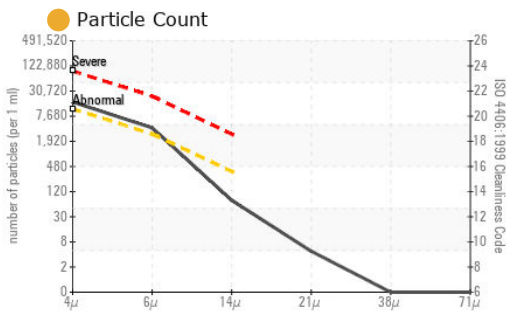
## CONTAMINATION

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| Test                 | UOM      | Method       | Limit/Abn | Current            | History1    | History2    |
|----------------------|----------|--------------|-----------|--------------------|-------------|-------------|
| Sample Number        |          | Client Info  |           | <b>TO20000305</b>  | TO20000284  | TO20000209  |
| Sample Date          |          | Client Info  |           | <b>12 Jun 2024</b> | 30 May 2023 | 19 Oct 2022 |
| Machine Age          | hrs      | Client Info  |           | <b>53315</b>       | 46561       | 43918       |
| Oil Age              | hrs      | Client Info  |           | <b>0</b>           | 0           | 0           |
| Filter Age           | hrs      | Client Info  |           | <b>0</b>           | 0           | 0           |
| Oil Changed          |          | Client Info  |           | <b>N/A</b>         | Not Changd  | Not Changd  |
| Filter Changed       |          | Client Info  |           | <b>N/A</b>         | Not Changd  | Not Changd  |
| Sample Status        |          |              |           | <b>ATTENTION</b>   | NORMAL      | NORMAL      |
| Iron                 | ppm      | ASTM D5185m  | >50       | <b>9</b>           | 10          | 4           |
| Chromium             | ppm      | ASTM D5185m  | >10       | <b>0</b>           | 0           | 0           |
| Nickel               | ppm      | ASTM D5185m  |           | <b>&lt;1</b>       | 0           | 0           |
| Titanium             | ppm      | ASTM D5185m  |           | <b>0</b>           | 0           | 0           |
| Silver               | ppm      | ASTM D5185m  |           | <b>0</b>           | 0           | 0           |
| Aluminum             | ppm      | ASTM D5185m  | >25       | <b>0</b>           | <1          | 0           |
| Lead                 | ppm      | ASTM D5185m  | >25       | <b>0</b>           | 0           | 0           |
| Copper               | ppm      | ASTM D5185m  | >50       | <b>0</b>           | <1          | <1          |
| Tin                  | ppm      | ASTM D5185m  | >15       | <b>0</b>           | 0           | 0           |
| Vanadium             | ppm      | ASTM D5185m  |           | <b>0</b>           | 0           | 0           |
| White Metal          | scalar   | *Visual      | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Yellow Metal         | scalar   | *Visual      | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Silicon              | ppm      | ASTM D5185m  | >25       | <b>2</b>           | <1          | <1          |
| Potassium            | ppm      | ASTM D5185m  | >20       | <b>&lt;1</b>       | <1          | 0           |
| Water                | %        | ASTM D6304   | >0.1      | <b>0.00</b>        | 0.001       | 0.002       |
| ppm Water            | ppm      | ASTM D6304   | >1000     | <b>0</b>           | 2.1         | 15.4        |
| Particles >4µm       |          | ASTM D7647   | >10000    | <b>14636</b>       | 6702        | 4957        |
| Particles >6µm       |          | ASTM D7647   | >2500     | <b>3527</b>        | 1211        | 974         |
| Particles >14µm      |          | ASTM D7647   | >320      | <b>66</b>          | 34          | 37          |
| Particles >21µm      |          | ASTM D7647   | >80       | <b>4</b>           | 4           | 5           |
| Particles >38µm      |          | ASTM D7647   | >20       | <b>0</b>           | 0           | 1           |
| Particles >71µm      |          | ASTM D7647   | >4        | <b>0</b>           | 0           | 0           |
| Oil Cleanliness      |          | ISO 4406 (c) | >20/18/15 | <b>21/19/13</b>    | 20/17/12    | 19/17/12    |
| Silt                 | scalar   | *Visual      | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Debris               | scalar   | *Visual      | NONE      | <b>NONE</b>        | LIGHT       | NONE        |
| Sand/Dirt            | scalar   | *Visual      | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Appearance           | scalar   | *Visual      | NORML     | <b>NORML</b>       | NORML       | NORML       |
| Odor                 | scalar   | *Visual      | NORML     | <b>NORML</b>       | NORML       | NORML       |
| Emulsified Water     | scalar   | *Visual      | >0.1      | <b>NEG</b>         | NEG         | NEG         |
| Sodium               | ppm      | ASTM D5185m  |           | <b>1</b>           | <1          | 0           |
| Boron                | ppm      | ASTM D5185m  |           | <b>0</b>           | 0           | 0           |
| Barium               | ppm      | ASTM D5185m  |           | <b>0</b>           | 2           | 0           |
| Molybdenum           | ppm      | ASTM D5185m  |           | <b>0</b>           | 0           | 0           |
| Manganese            | ppm      | ASTM D5185m  |           | <b>&lt;1</b>       | <1          | 0           |
| Magnesium            | ppm      | ASTM D5185m  | 0         | <b>0</b>           | 4           | 0           |
| Calcium              | ppm      | ASTM D5185m  |           | <b>&lt;1</b>       | 3           | 0           |
| Phosphorus           | ppm      | ASTM D5185m  |           | <b>0</b>           | 5           | 1           |
| Zinc                 | ppm      | ASTM D5185m  |           | <b>0</b>           | 24          | 5           |
| Sulfur               | ppm      | ASTM D5185m  |           | <b>73</b>          | 80          | 92          |
| Acid Number (AN)     | mg KOH/g | ASTM D8045   |           | <b>0.013</b>       | 0.015       | 0.061       |
| Visc @ 40°C          | cSt      | ASTM D445    | 64.0      | <b>66.8</b>        | 66.9        | 66.6        |
| Visc @ 100°C         | cSt      | ASTM D445    | 6.48      | <b>8.6</b>         | 8.6         | 8.8         |
| Viscosity Index (VI) | Scale    | ASTM D2270   | 12        | <b>99</b>          | 99          | 104         |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO20000305 **Received** : 02 Jul 2024  
**Lab Number** : 06226808 **Tested** : 03 Jul 2024  
**Unique Number** : 11110301 **Diagnosed** : 05 Jul 2024 - Don Baldridge  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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