



# OIL ANALYSIS REPORT

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

Area  
**ULTRA COOLANT [153761]**  
Machine Id  
**PX7664U06258 - METAL CRAFTERS**  
Component  
**Compressor**

## RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>UCH06214842</b> | UCH06032418 | UCH05875630 |
| Sample Date    |     | Client Info |           | <b>12 Jun 2024</b> | 27 Nov 2023 | 31 May 2023 |
| Machine Age    | hrs | Client Info |           | <b>0</b>           | 40697       | 39856       |
| Oil Age        | hrs | Client Info |           | <b>2000</b>        | 8000        | 1088        |
| Filter Age     | hrs | Client Info |           | <b>2000</b>        | 2000        | 1088        |
| Oil Changed    |     | Client Info |           | <b>Not Changed</b> | Changed     | Not Changed |
| Filter Changed |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## WEAR

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >50  | <b>1</b>     | 4    | 4    |
| Chromium     | ppm    | ASTM D5185m | >10  | <b>0</b>     | <1   | <1   |
| Nickel       | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | 0    |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | <1   |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >25  | <b>&lt;1</b> | 0    | <1   |
| Lead         | ppm    | ASTM D5185m | >25  | <b>0</b>     | 0    | 0    |
| Copper       | ppm    | ASTM D5185m | >50  | <b>0</b>     | 0    | <1   |
| Tin          | ppm    | ASTM D5185m | >15  | <b>&lt;1</b> | 0    | <1   |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | <1   |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |

## CONTAMINATION

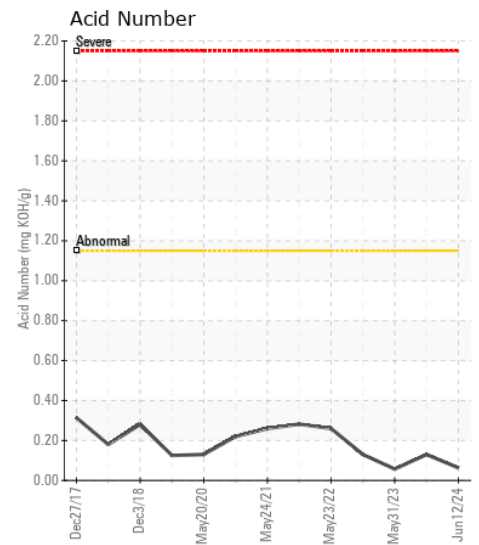
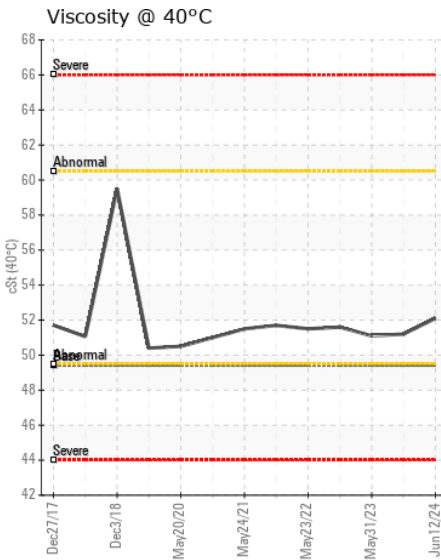
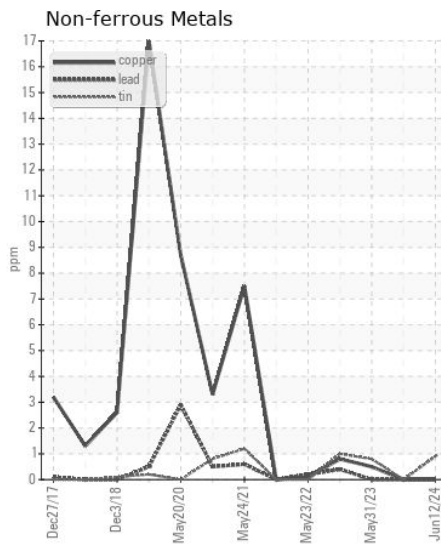
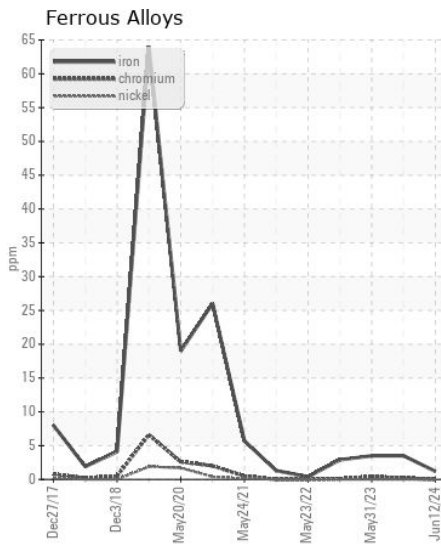
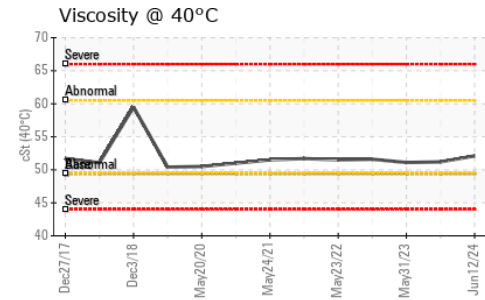
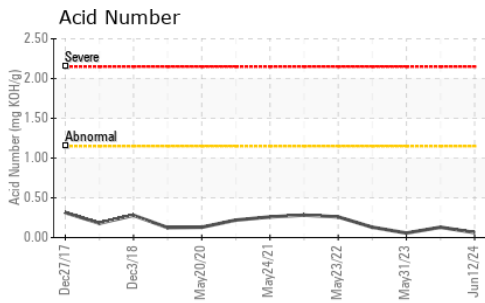
There is no indication of any contamination in the oil.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >25   | <b>1</b>     | <1    | <1    |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>4</b>     | 2     | 3     |
| Water            |        | WC Method   | >0.1  | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>LIGHT</b> | NONE  | LIGHT |
| 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   |

## FLUID CONDITION

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

|                  |          |             |      |              |      |       |
|------------------|----------|-------------|------|--------------|------|-------|
| Sodium           | ppm      | ASTM D5185m |      | <b>12</b>    | 14   | 8     |
| Boron            | ppm      | ASTM D5185m | 0    | <b>&lt;1</b> | 0    | 0     |
| Barium           | ppm      | ASTM D5185m | 500  | <b>711</b>   | 724  | 800   |
| Molybdenum       | ppm      | ASTM D5185m | 0    | <b>0</b>     | 0    | <1    |
| Manganese        | ppm      | ASTM D5185m |      | <b>&lt;1</b> | 0    | <1    |
| Magnesium        | ppm      | ASTM D5185m | 0    | <b>2</b>     | <1   | <1    |
| Calcium          | ppm      | ASTM D5185m | 0    | <b>3</b>     | 2    | 2     |
| Phosphorus       | ppm      | ASTM D5185m | 20   | <b>2</b>     | 4    | 2     |
| Zinc             | ppm      | ASTM D5185m | 0    | <b>0</b>     | 2    | 3     |
| Sulfur           | ppm      | ASTM D5185m | 200  | <b>403</b>   | 395  | 430   |
| Acid Number (AN) | mg KOH/g | ASTM D8045  |      | <b>0.063</b> | 0.13 | 0.057 |
| Visc @ 40°C      | cSt      | ASTM D445   | 49.4 | <b>52.1</b>  | 51.2 | 51.1  |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : UCH06214842

**Lab Number** : 06214842

**Unique Number** : 11087706

**Test Package** : IND 2

**Received** : 19 Jun 2024

**Tested** : 20 Jun 2024

**Diagnosed** : 20 Jun 2024 - Wes Davis

**A-L-L EQUIPMENT INC**

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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)