



# OIL ANALYSIS REPORT

|                 |           |
|-----------------|-----------|
| WEAR            | NORMAL    |
| CONTAMINATION   | ATTENTION |
| FLUID CONDITION | NORMAL    |

Machine Id  
**SUPREME 6007TM**

Component  
**Hydrostatic**

Fluid  
**AW HYDRAULIC OIL ISO 46 (--- LTR)**

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number  |     | Client Info |           | <b>WC0773371</b>   | WC0773363   | ---      |
| Sample Date    |     | Client Info |           | <b>12 Feb 2024</b> | 15 Aug 2023 | ---      |
| Machine Age    | hrs | Client Info |           | <b>700</b>         | 425         | ---      |
| Oil Age        | hrs | Client Info |           | <b>700</b>         | 425         | ---      |
| Filter Age     | hrs | Client Info |           | <b>700</b>         | 425         | ---      |
| Oil Changed    |     | Client Info |           | <b>Not Changd</b>  | Not Changd  | ---      |
| Filter Changed |     | Client Info |           | <b>Not Changd</b>  | Not Changd  | ---      |
| Sample Status  |     |             |           | <b>ATTENTION</b>   | NORMAL      | ---      |

## WEAR

All component wear rates are normal.

|              |        |               |      |              |      |     |
|--------------|--------|---------------|------|--------------|------|-----|
| Iron         | ppm    | ASTM D5185(m) | >200 | <b>4</b>     | 3    | --- |
| Chromium     | ppm    | ASTM D5185(m) | >10  | <b>0</b>     | 0    | --- |
| Nickel       | ppm    | ASTM D5185(m) |      | <b>0</b>     | <1   | --- |
| Titanium     | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | --- |
| Silver       | ppm    | ASTM D5185(m) |      | <b>0</b>     | <1   | --- |
| Aluminum     | ppm    | ASTM D5185(m) | >50  | <b>&lt;1</b> | <1   | --- |
| Lead         | ppm    | ASTM D5185(m) | >50  | <b>&lt;1</b> | <1   | --- |
| Copper       | ppm    | ASTM D5185(m) | >200 | <b>2</b>     | 2    | --- |
| Tin          | ppm    | ASTM D5185(m) | >10  | <b>0</b>     | 0    | --- |
| Vanadium     | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | --- |
| White Metal  | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | --- |
| Yellow Metal | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | --- |

## CONTAMINATION

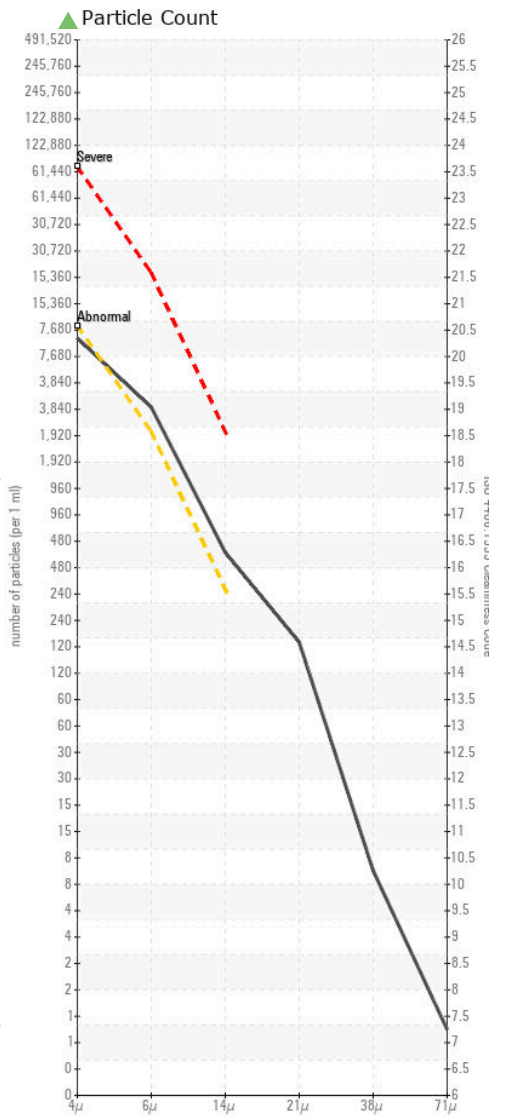
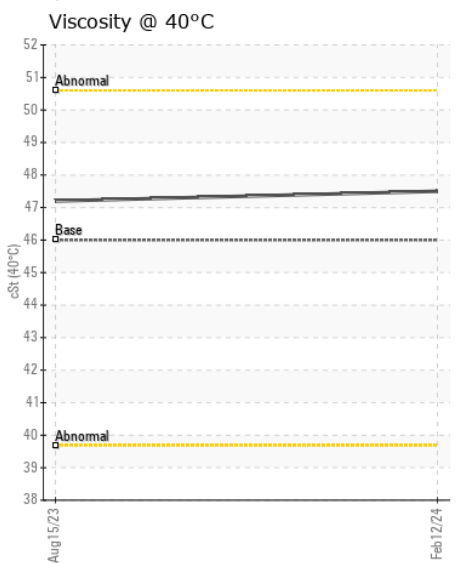
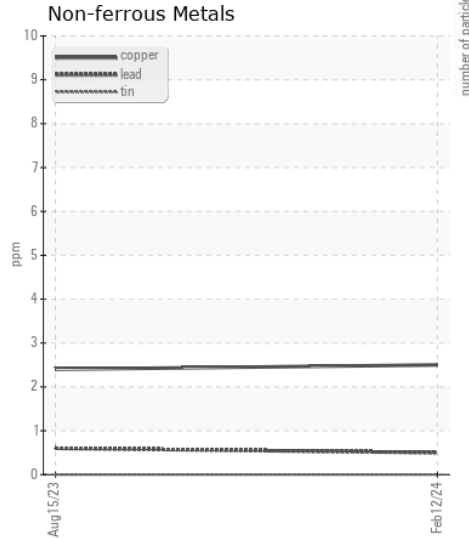
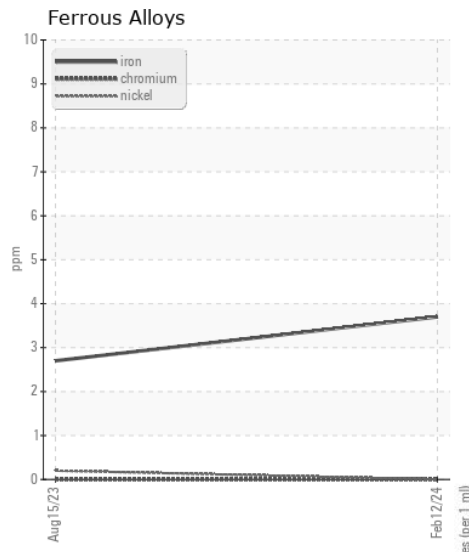
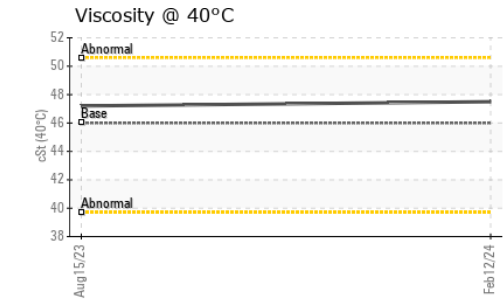
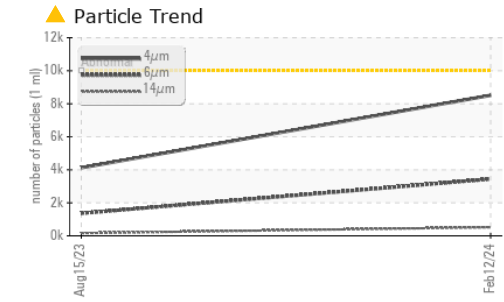
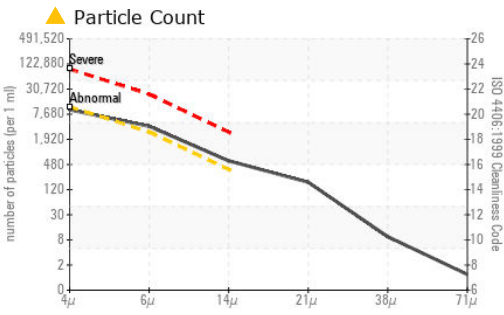
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

|                  |        |               |           |                   |          |     |
|------------------|--------|---------------|-----------|-------------------|----------|-----|
| Silicon          | ppm    | ASTM D5185(m) | >50       | <b>&lt;1</b>      | <1       | --- |
| Potassium        | ppm    | ASTM D5185(m) | >20       | <b>1</b>          | 0        | --- |
| Water            |        | WC Method     | >0.1      | <b>NEG</b>        | NEG      | --- |
| Particles >4µm   |        | ASTM D7647    | >10000    | <b>8511</b>       | 4121     | --- |
| Particles >6µm   |        | ASTM D7647    | >2500     | <b>▲ 3440</b>     | 1363     | --- |
| Particles >14µm  |        | ASTM D7647    | >320      | <b>▲ 515</b>      | 161      | --- |
| Particles >21µm  |        | ASTM D7647    | >80       | <b>▲ 159</b>      | 39       | --- |
| Particles >38µm  |        | ASTM D7647    | >20       | <b>8</b>          | 2        | --- |
| Particles >71µm  |        | ASTM D7647    | >4        | <b>1</b>          | 0        | --- |
| Oil Cleanliness  |        | ISO 4406 (c)  | >20/18/15 | <b>▲ 20/19/16</b> | 19/18/15 | --- |
| Silt             | scalar | Visual*       | NONE      | <b>NONE</b>       | NONE     | --- |
| Debris           | scalar | Visual*       | NONE      | <b>NONE</b>       | NONE     | --- |
| Sand/Dirt        | scalar | Visual*       | NONE      | <b>NONE</b>       | NONE     | --- |
| Appearance       | scalar | Visual*       | NORML     | <b>NORML</b>      | NORML    | --- |
| Odor             | scalar | Visual*       | NORML     | <b>NORML</b>      | NORML    | --- |
| Emulsified Water | scalar | Visual*       | >0.1      | <b>NEG</b>        | NEG      | --- |

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

|             |     |               |      |             |      |     |
|-------------|-----|---------------|------|-------------|------|-----|
| Sodium      | ppm | ASTM D5185(m) |      | <b>0</b>    | <1   | --- |
| Boron       | ppm | ASTM D5185(m) | 5    | <b>2</b>    | 3    | --- |
| Barium      | ppm | ASTM D5185(m) | 5    | <b>0</b>    | <1   | --- |
| Molybdenum  | ppm | ASTM D5185(m) | 5    | <b>2</b>    | 2    | --- |
| Manganese   | ppm | ASTM D5185(m) |      | <b>0</b>    | 0    | --- |
| Magnesium   | ppm | ASTM D5185(m) | 25   | <b>48</b>   | 48   | --- |
| Calcium     | ppm | ASTM D5185(m) | 200  | <b>217</b>  | 212  | --- |
| Phosphorus  | ppm | ASTM D5185(m) | 300  | <b>380</b>  | 373  | --- |
| Zinc        | ppm | ASTM D5185(m) | 370  | <b>462</b>  | 468  | --- |
| Sulfur      | ppm | ASTM D5185(m) | 2500 | <b>1059</b> | 968  | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 46   | <b>47.5</b> | 47.2 | --- |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0773371 **Received** : 20 Feb 2024  
**Lab Number** : 02616683 **Tested** : 21 Feb 2024  
**Unique Number** : 5733793 **Diagnosed** : 21 Feb 2024 - Wes Davis  
**Test Package** : MOB 2

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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.