



# OIL ANALYSIS REPORT

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

Machine Id  
**SSI PR6600**  
 Component  
**Hydraulic System**  
 Fluid  
**WEBER VIS HZ-100-68 (--- GAL)**

## RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>Y2K0001647</b>  | Y2K0001486  | Y2K0001643  |
| Sample Date    |     | Client Info |           | <b>08 Jun 2024</b> | 01 May 2024 | 06 Apr 2024 |
| Machine Age    | hrs | Client Info |           | <b>27820</b>       | 0           | 27140       |
| Oil Age        | hrs | Client Info |           | <b>1740</b>        | 1317        | 1060        |
| Filter Age     | hrs | Client Info |           | <b>423</b>         | 257         | 288         |
| Oil Changed    |     | Client Info |           | <b>Not Changed</b> | Not Changed | Not Changed |
| Filter Changed |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Sample Status  |     |             |           | <b>ATTENTION</b>   | NORMAL      | NORMAL      |

## WEAR

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >20  | <b>6</b>     | <1   | <1   |
| Chromium     | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | 0    | 0    |
| Nickel       | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | 0    | 0    |
| Titanium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | 0    | 0    |
| Silver       | ppm    | ASTM D5185m |      | <b>&lt;1</b> | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >10  | <b>2</b>     | 0    | 0    |
| Lead         | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | <1   | 0    |
| Copper       | ppm    | ASTM D5185m | >75  | <b>2</b>     | <1   | 0    |
| Tin          | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | <1   | 0    |
| Vanadium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | 0    | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |

## CONTAMINATION

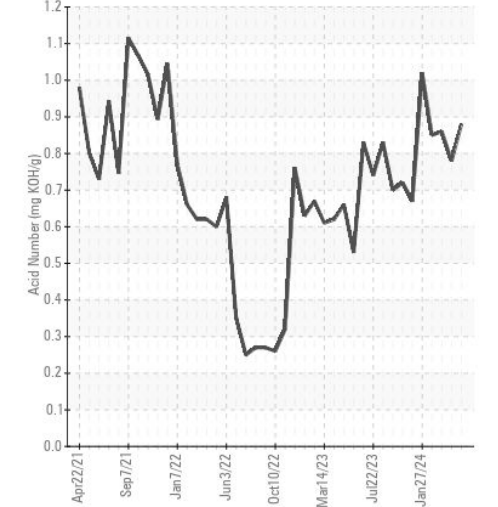
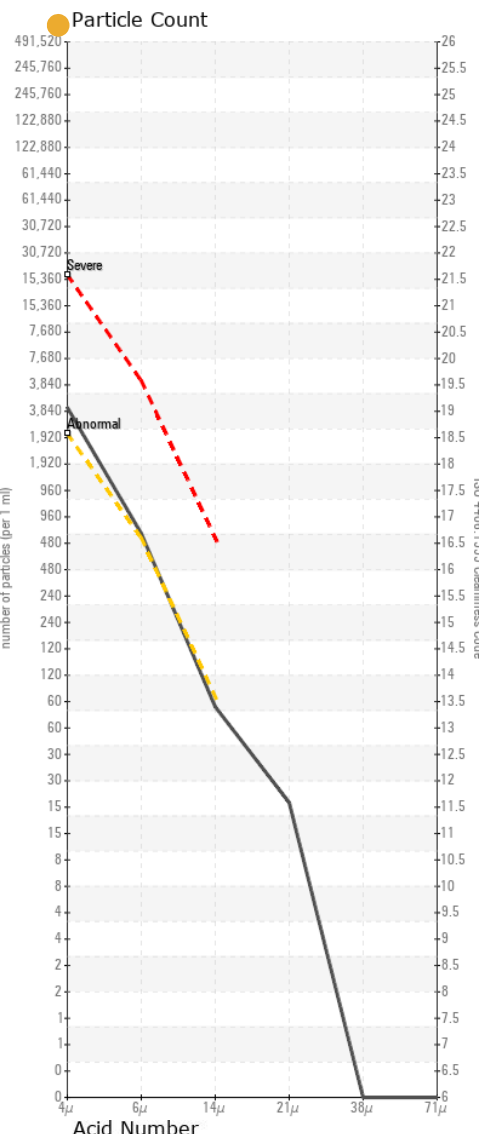
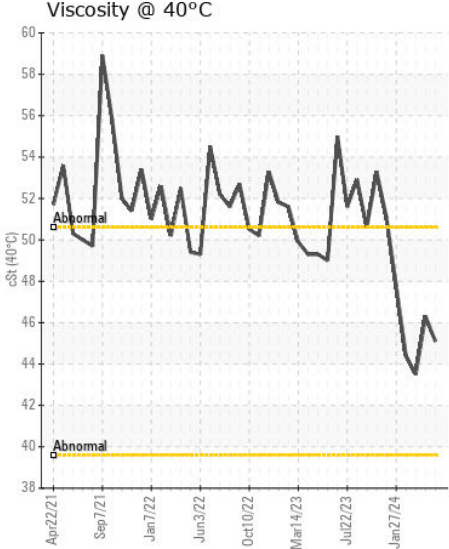
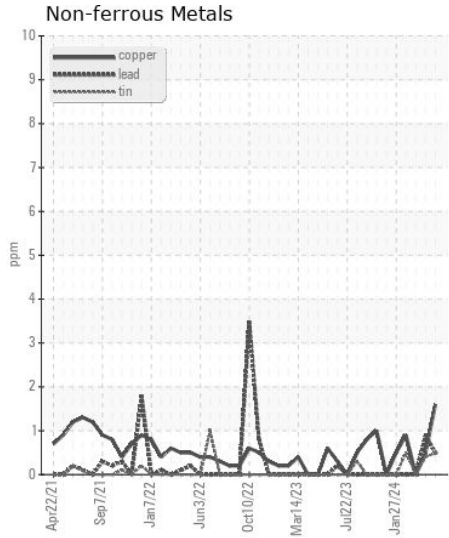
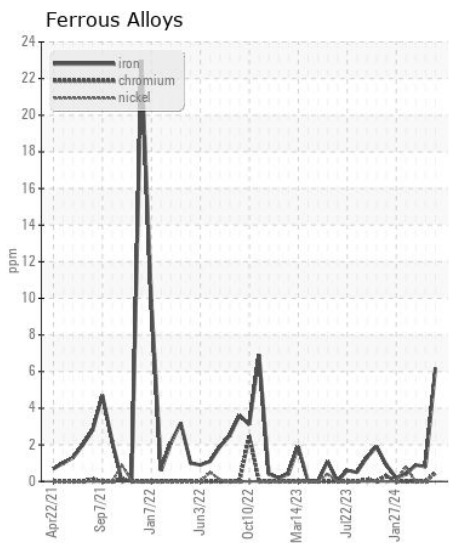
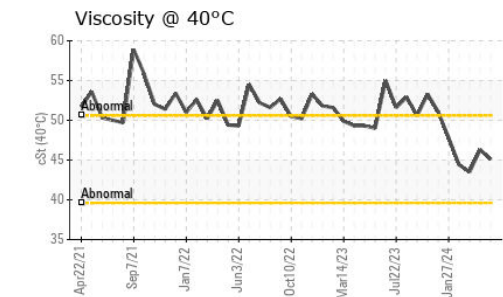
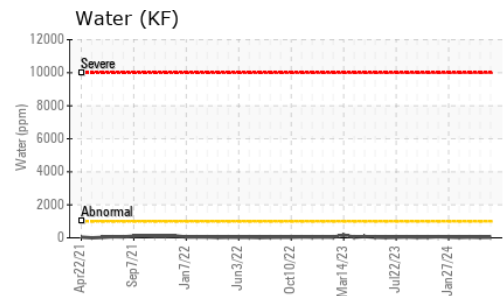
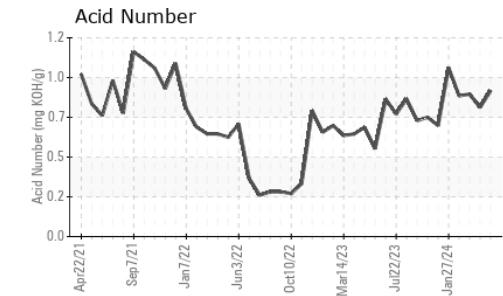
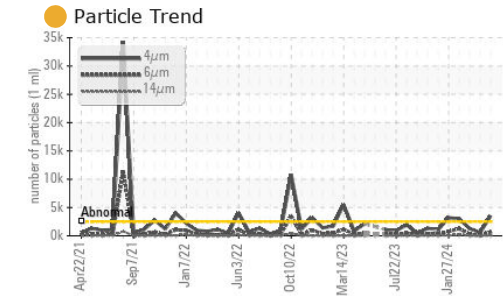
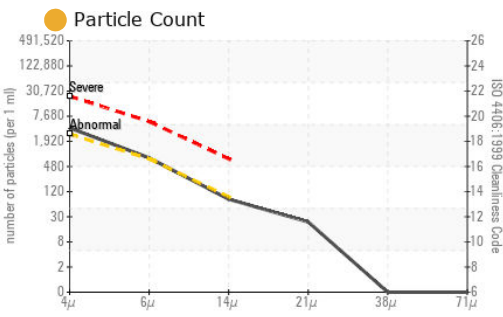
There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

|                  |        |              |           |                 |         |          |
|------------------|--------|--------------|-----------|-----------------|---------|----------|
| Silicon          | ppm    | ASTM D5185m  | >20       | <b>2</b>        | <1      | 0        |
| Potassium        | ppm    | ASTM D5185m  | >20       | <b>1</b>        | 2       | 0        |
| Water            | %      | ASTM D6304   | >0.1      | <b>0.003</b>    | 0.002   | 0.003    |
| ppm Water        | ppm    | ASTM D6304   | >1000     | <b>29</b>       | 18      | 40       |
| Particles >4µm   |        | ASTM D7647   | >2500     | <b>3518</b>     | 554     | 1288     |
| Particles >6µm   |        | ASTM D7647   | >640      | <b>677</b>      | 97      | 262      |
| Particles >14µm  |        | ASTM D7647   | >80       | <b>70</b>       | 2       | 31       |
| Particles >21µm  |        | ASTM D7647   | >20       | <b>20</b>       | 0       | 13       |
| Particles >38µm  |        | ASTM D7647   | >4        | <b>0</b>        | 0       | 1        |
| Particles >71µm  |        | ASTM D7647   | >3        | <b>0</b>        | 0       | 0        |
| Oil Cleanliness  |        | ISO 4406 (c) | >18/16/13 | <b>19/17/13</b> | 16/14/9 | 17/15/12 |
| Silt             | scalar | *Visual      | NONE      | <b>NONE</b>     | NONE    | NONE     |
| Debris           | scalar | *Visual      | NONE      | <b>NONE</b>     | NONE    | 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      |

## 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>2</b>     | 4    | 3    |
| Boron            | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | 0    |
| Barium           | ppm      | ASTM D5185m |  | <b>1</b>     | 6    | 0    |
| Molybdenum       | ppm      | ASTM D5185m |  | <b>3</b>     | 0    | 0    |
| Manganese        | ppm      | ASTM D5185m |  | <b>&lt;1</b> | <1   | 0    |
| Magnesium        | ppm      | ASTM D5185m |  | <b>7</b>     | 7    | 6    |
| Calcium          | ppm      | ASTM D5185m |  | <b>49</b>    | 47   | 33   |
| Phosphorus       | ppm      | ASTM D5185m |  | <b>718</b>   | 849  | 815  |
| Zinc             | ppm      | ASTM D5185m |  | <b>1082</b>  | 1111 | 1015 |
| Sulfur           | ppm      | ASTM D5185m |  | <b>2741</b>  | 3355 | 2982 |
| Acid Number (AN) | mg KOH/g | ASTM D8045  |  | <b>0.88</b>  | 0.78 | 0.86 |
| Visc @ 40°C      | cSt      | ASTM D445   |  | <b>45.1</b>  | 46.3 | 43.5 |



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : Y2K0001647 **Received** : 28 Jun 2024  
**Lab Number** : 06223486 **Tested** : 01 Jul 2024  
**Unique Number** : 11101683 **Diagnosed** : 01 Jul 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KF )

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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)