



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

Machine Id  
**HITACHI 350LC 1FFDDR70EJF940546**

Component  
**Right Final Drive**

Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### WEAR

All component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

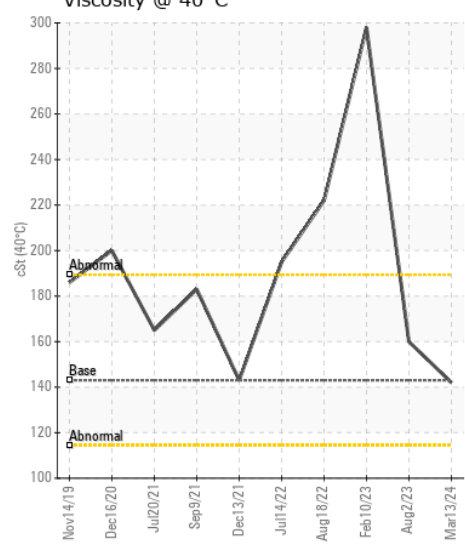
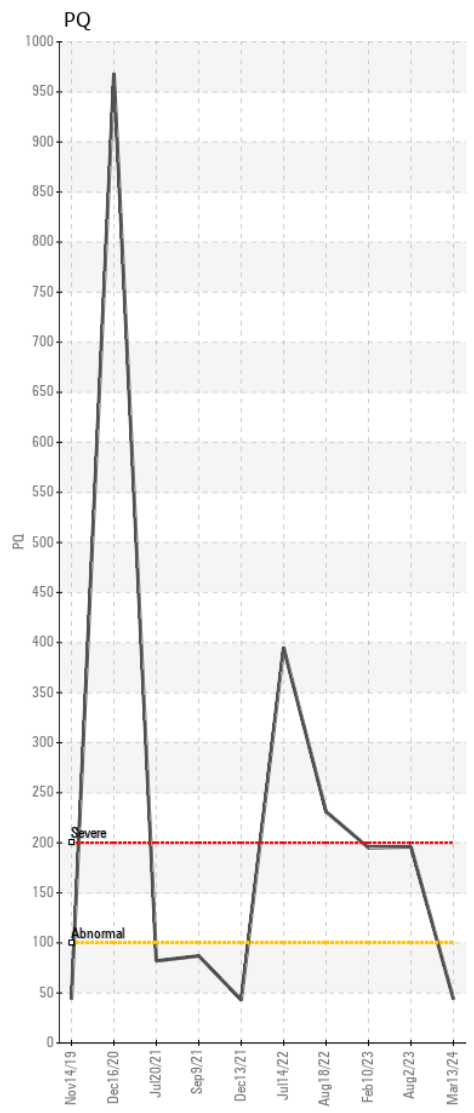
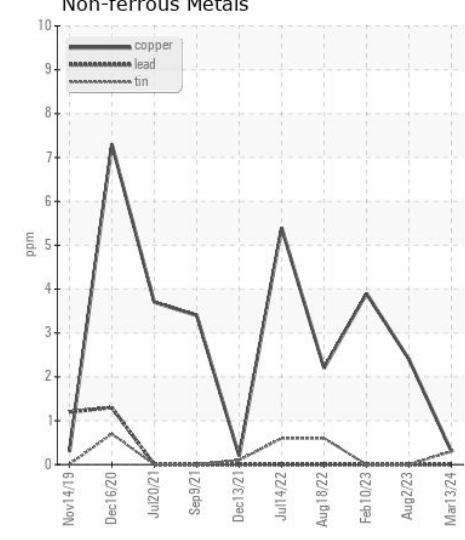
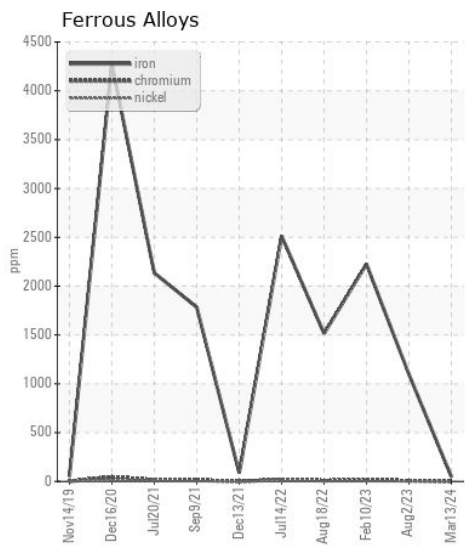
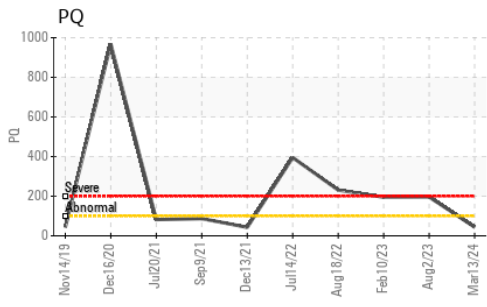
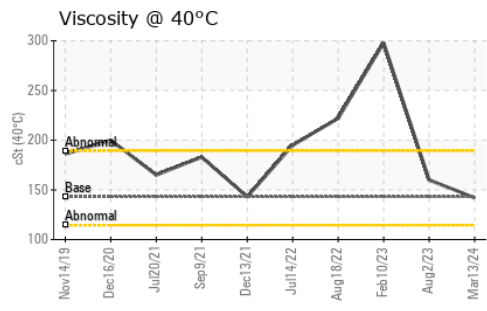
The condition of the oil is acceptable for the time in service.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>JR0205691</b>   | JR0179051   | JR0155606   |
| Sample Date    |     | Client Info |           | <b>13 Mar 2024</b> | 02 Aug 2023 | 10 Feb 2023 |
| Machine Age    | hrs | Client Info |           | <b>6907</b>        | 5975        | 4983        |
| Oil Age        | hrs | Client Info |           | <b>932</b>         | 992         | 500         |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 500         |
| Oil Changed    |     | Client Info |           | <b>Not Changd</b>  | Changed     | Changed     |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | Changed     |
| Sample Status  |     |             |           | <b>NORMAL</b>      | ABNORMAL    | SEVERE      |

|              |        |             |      |              |      |         |
|--------------|--------|-------------|------|--------------|------|---------|
| PQ           |        | ASTM D8184  |      | <b>44</b>    | 196  | 195     |
| Iron         | ppm    | ASTM D5185m | >500 | <b>48</b>    | 1097 | ▲ 2225  |
| Chromium     | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | 7    | ▲ 13    |
| Nickel       | ppm    | ASTM D5185m | >10  | <b>0</b>     | 2    | 2       |
| Titanium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | 5    | 11      |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | 0       |
| Aluminum     | ppm    | ASTM D5185m | >25  | <b>2</b>     | ● 55 | ● 100   |
| Lead         | ppm    | ASTM D5185m | >25  | <b>0</b>     | 0    | 0       |
| Copper       | ppm    | ASTM D5185m | >50  | <b>&lt;1</b> | 2    | 4       |
| Tin          | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | 0    | 0       |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>     | <1   | <1      |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | ▲ MODER |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE    |

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >75   | <b>4</b>     | ▲ 182 | ▲ 418 |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>2</b>     | 10    | 16    |
| Water            |        | WC Method   | >0.2  | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>LIGHT</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     | >0.2  | <b>NEG</b>   | NEG   | NEG   |

|             |     |             |       |              |       |       |
|-------------|-----|-------------|-------|--------------|-------|-------|
| Sodium      | ppm | ASTM D5185m | >170  | <b>0</b>     | 4     | 10    |
| Boron       | ppm | ASTM D5185m | 400   | <b>9</b>     | 33    | 4     |
| Barium      | ppm | ASTM D5185m | 200   | <b>0</b>     | 0     | <1    |
| Molybdenum  | ppm | ASTM D5185m | 12    | <b>&lt;1</b> | <1    | 1     |
| Manganese   | ppm | ASTM D5185m |       | <b>&lt;1</b> | 8     | 16    |
| Magnesium   | ppm | ASTM D5185m | 12    | <b>2</b>     | 10    | 12    |
| Calcium     | ppm | ASTM D5185m | 150   | <b>11</b>    | 13    | 24    |
| Phosphorus  | ppm | ASTM D5185m | 1650  | <b>367</b>   | 776   | 1135  |
| Zinc        | ppm | ASTM D5185m | 125   | <b>2</b>     | 20    | 7     |
| Sulfur      | ppm | ASTM D5185m | 22500 | <b>20938</b> | 24414 | 21049 |
| Visc @ 40°C | cSt | ASTM D445   | 143   | <b>142</b>   | 160   | 298   |



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0205691 **Received** : 19 Mar 2024  
**Lab Number** : 06122665 **Tested** : 20 Mar 2024  
**Unique Number** : 10936816 **Diagnosed** : 20 Mar 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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Certificate L2367  
 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)