



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

Machine Id  
**1FFDDP70CKF840647**

Component  
**Pump Drive**

Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. 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

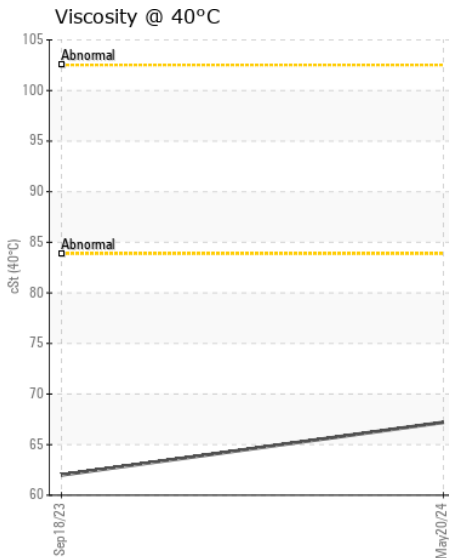
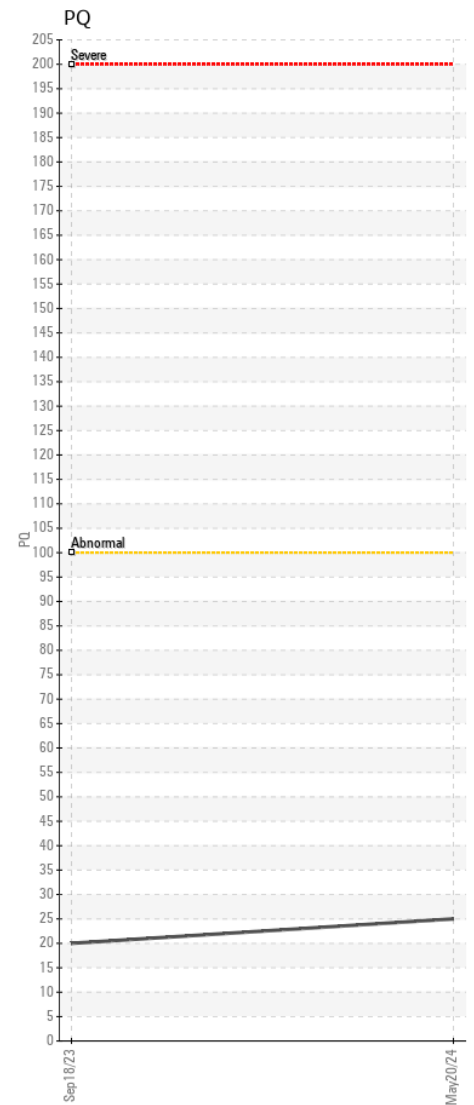
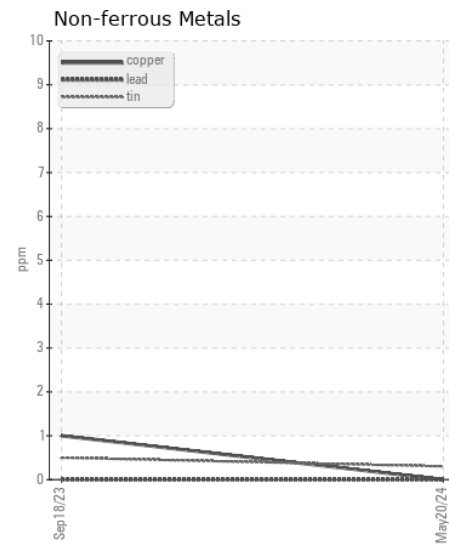
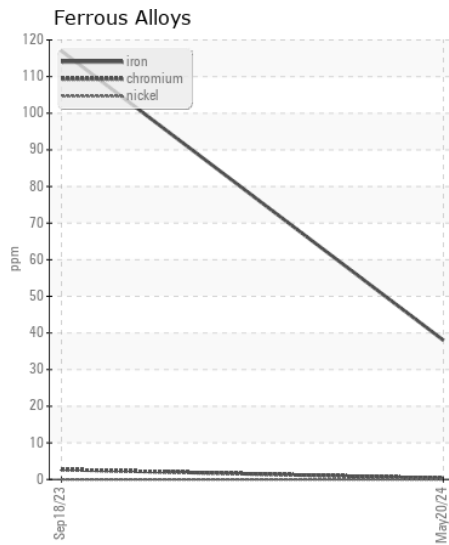
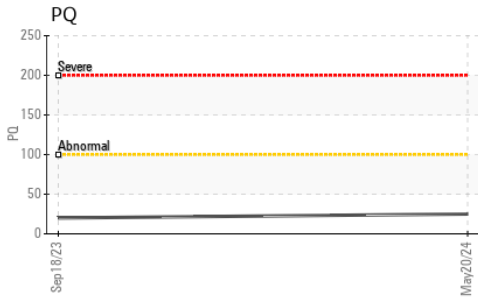
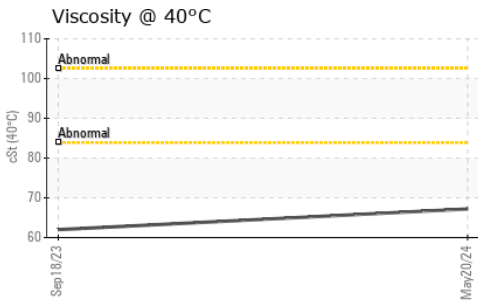
The condition of the oil is acceptable for the time in service.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number  |     | Client Info |           | <b>JR0215731</b>   | JR0188393   | ---      |
| Sample Date    |     | Client Info |           | <b>20 May 2024</b> | 18 Sep 2023 | ---      |
| Machine Age    | hrs | Client Info |           | <b>4058</b>        | 2947        | ---      |
| Oil Age        | hrs | Client Info |           | <b>1111</b>        | 0           | ---      |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | ---      |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | Changed     | ---      |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | ---      |

| Test         | UOM    | Method      | Limit/Abn | Current      | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| PQ           |        | ASTM D8184  |           | <b>25</b>    | 20       | ---      |
| Iron         | ppm    | ASTM D5185m | >500      | <b>38</b>    | 117      | ---      |
| Chromium     | ppm    | ASTM D5185m | >15       | <b>&lt;1</b> | 3        | ---      |
| Nickel       | ppm    | ASTM D5185m | >10       | <b>0</b>     | 0        | ---      |
| Titanium     | ppm    | ASTM D5185m |           | <b>0</b>     | <1       | ---      |
| Silver       | ppm    | ASTM D5185m |           | <b>0</b>     | 0        | ---      |
| Aluminum     | ppm    | ASTM D5185m | >20       | <b>6</b>     | 17       | ---      |
| Lead         | ppm    | ASTM D5185m |           | <b>0</b>     | 0        | ---      |
| Copper       | ppm    | ASTM D5185m | >35       | <b>0</b>     | 1        | ---      |
| Tin          | ppm    | ASTM D5185m | >4        | <b>&lt;1</b> | <1       | ---      |
| Vanadium     | ppm    | ASTM D5185m |           | <b>0</b>     | <1       | ---      |
| White Metal  | scalar | *Visual     | NONE      | <b>NONE</b>  | NONE     | ---      |
| Yellow Metal | scalar | *Visual     | NONE      | <b>NONE</b>  | NONE     | ---      |

| Test             | UOM    | Method      | Limit/Abn | Current      | History1 | History2 |
|------------------|--------|-------------|-----------|--------------|----------|----------|
| Silicon          | ppm    | ASTM D5185m | >75       | <b>15</b>    | 73       | ---      |
| Potassium        | ppm    | ASTM D5185m | >20       | <b>&lt;1</b> | <1       | ---      |
| Water            |        | WC Method   | >0.2      | <b>NEG</b>   | NEG      | ---      |
| 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     | >0.2      | <b>NEG</b>   | NEG      | ---      |

| Test        | UOM | Method      | Limit/Abn | Current      | History1 | History2 |
|-------------|-----|-------------|-----------|--------------|----------|----------|
| Sodium      | ppm | ASTM D5185m |           | <b>2</b>     | 4        | ---      |
| Boron       | ppm | ASTM D5185m |           | <b>304</b>   | 57       | ---      |
| Barium      | ppm | ASTM D5185m |           | <b>0</b>     | 0        | ---      |
| Molybdenum  | ppm | ASTM D5185m |           | <b>248</b>   | 102      | ---      |
| Manganese   | ppm | ASTM D5185m |           | <b>&lt;1</b> | 5        | ---      |
| Magnesium   | ppm | ASTM D5185m |           | <b>794</b>   | 170      | ---      |
| Calcium     | ppm | ASTM D5185m |           | <b>1391</b>  | 3728     | ---      |
| Phosphorus  | ppm | ASTM D5185m |           | <b>956</b>   | 1202     | ---      |
| Zinc        | ppm | ASTM D5185m |           | <b>1029</b>  | 1339     | ---      |
| Sulfur      | ppm | ASTM D5185m |           | <b>3849</b>  | 8390     | ---      |
| Visc @ 40°C | cSt | ASTM D445   |           | <b>67.2</b>  | 62.0     | ---      |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0215731 **Received** : 22 May 2024  
**Lab Number** : 06187964 **Tested** : 24 May 2024  
**Unique Number** : 11044716 **Diagnosed** : 24 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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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