



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

Machine Id  
**NO INFO ON SIF/BOTTLE**

Component  
**Hydraulic System**

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

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

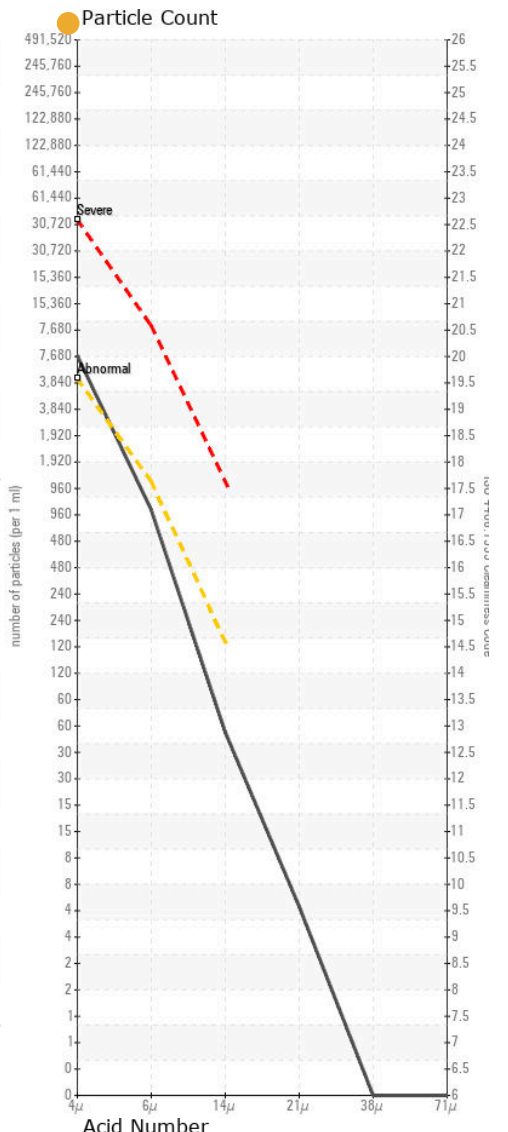
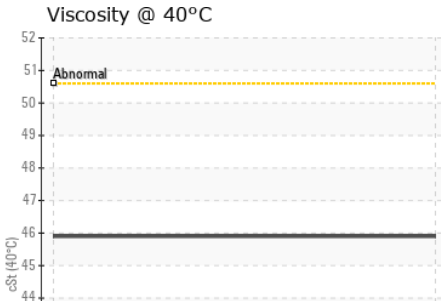
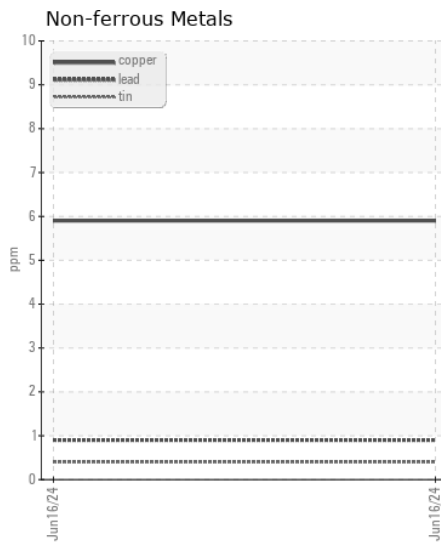
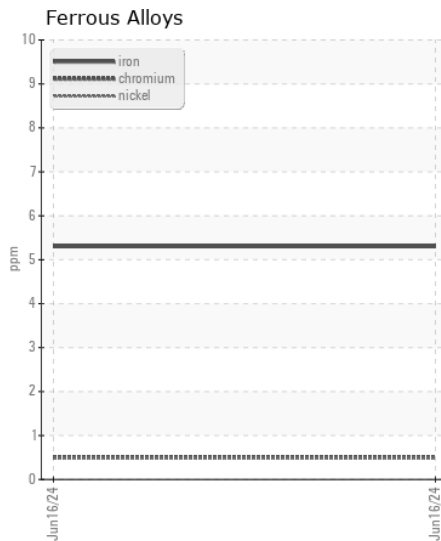
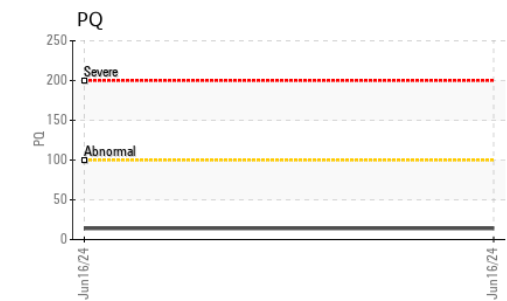
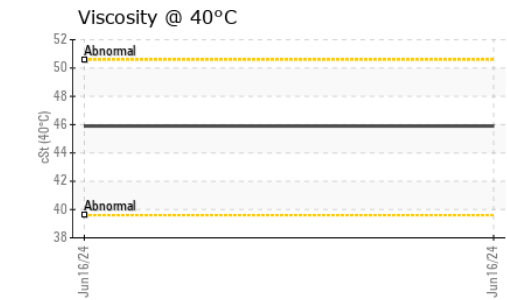
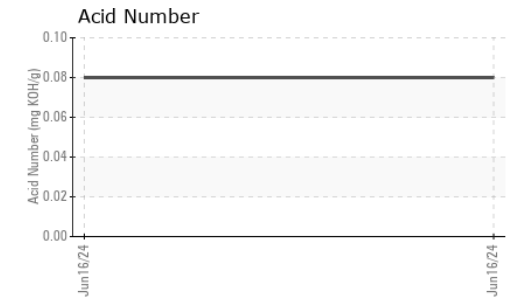
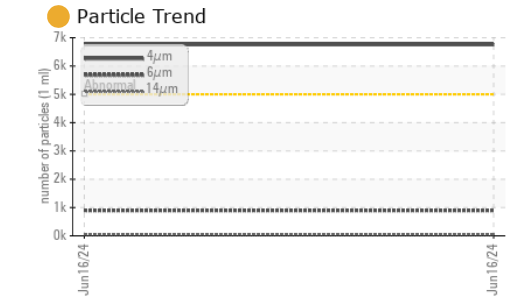
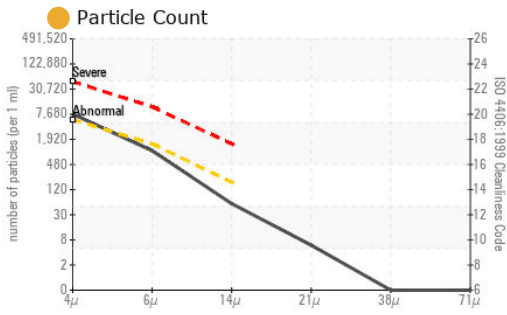
### CONTAMINATION

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

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

| Test             | UOM      | Method       | Limit/Abn | Current     | History1 | History2 |
|------------------|----------|--------------|-----------|-------------|----------|----------|
| Sample Number    |          | Client Info  |           | JR0222119   | ---      | ---      |
| Sample Date      |          | Client Info  |           | 16 Jun 2024 | ---      | ---      |
| Machine Age      | hrs      | Client Info  |           | 0           | ---      | ---      |
| Oil Age          | hrs      | Client Info  |           | 0           | ---      | ---      |
| Filter Age       | hrs      | Client Info  |           | 0           | ---      | ---      |
| Oil Changed      |          | Client Info  |           | N/A         | ---      | ---      |
| Filter Changed   |          | Client Info  |           | N/A         | ---      | ---      |
| Sample Status    |          |              |           | ATTENTION   | ---      | ---      |
| PQ               |          | ASTM D8184   |           | 14          | ---      | ---      |
| Iron             | ppm      | ASTM D5185m  | >20       | 5           | ---      | ---      |
| Chromium         | ppm      | ASTM D5185m  | >10       | <1          | ---      | ---      |
| Nickel           | ppm      | ASTM D5185m  | >10       | <1          | ---      | ---      |
| Titanium         | ppm      | ASTM D5185m  |           | <1          | ---      | ---      |
| Silver           | ppm      | ASTM D5185m  |           | 0           | ---      | ---      |
| Aluminum         | ppm      | ASTM D5185m  | >10       | 2           | ---      | ---      |
| Lead             | ppm      | ASTM D5185m  | >10       | <1          | ---      | ---      |
| Copper           | ppm      | ASTM D5185m  | >75       | 6           | ---      | ---      |
| Tin              | ppm      | ASTM D5185m  | >10       | <1          | ---      | ---      |
| Vanadium         | ppm      | ASTM D5185m  |           | 0           | ---      | ---      |
| White Metal      | scalar   | *Visual      | NONE      | NONE        | ---      | ---      |
| Yellow Metal     | scalar   | *Visual      | NONE      | NONE        | ---      | ---      |
| Silicon          | ppm      | ASTM D5185m  | >20       | 3           | ---      | ---      |
| Potassium        | ppm      | ASTM D5185m  | >20       | <1          | ---      | ---      |
| Water            |          | WC Method    | >0.1      | NEG         | ---      | ---      |
| Particles >4µm   |          | ASTM D7647   | >5000     | 6756        | ---      | ---      |
| Particles >6µm   |          | ASTM D7647   | >1300     | 897         | ---      | ---      |
| Particles >14µm  |          | ASTM D7647   | >160      | 49          | ---      | ---      |
| Particles >21µm  |          | ASTM D7647   | >40       | 5           | ---      | ---      |
| Particles >38µm  |          | ASTM D7647   | >10       | 0           | ---      | ---      |
| Particles >71µm  |          | ASTM D7647   | >3        | 0           | ---      | ---      |
| Oil Cleanliness  |          | ISO 4406 (c) | >19/17/14 | 20/17/13    | ---      | ---      |
| Silt             | scalar   | *Visual      | NONE      | NONE        | ---      | ---      |
| Debris           | scalar   | *Visual      | NONE      | NONE        | ---      | ---      |
| Sand/Dirt        | scalar   | *Visual      | NONE      | NONE        | ---      | ---      |
| Appearance       | scalar   | *Visual      | NORML     | NORML       | ---      | ---      |
| Odor             | scalar   | *Visual      | NORML     | NORML       | ---      | ---      |
| Emulsified Water | scalar   | *Visual      | >0.1      | NEG         | ---      | ---      |
| Sodium           | ppm      | ASTM D5185m  |           | <1          | ---      | ---      |
| Boron            | ppm      | ASTM D5185m  |           | 0           | ---      | ---      |
| Barium           | ppm      | ASTM D5185m  |           | 0           | ---      | ---      |
| Molybdenum       | ppm      | ASTM D5185m  |           | <1          | ---      | ---      |
| Manganese        | ppm      | ASTM D5185m  |           | <1          | ---      | ---      |
| Magnesium        | ppm      | ASTM D5185m  |           | 4           | ---      | ---      |
| Calcium          | ppm      | ASTM D5185m  |           | 0           | ---      | ---      |
| Phosphorus       | ppm      | ASTM D5185m  |           | 383         | ---      | ---      |
| Zinc             | ppm      | ASTM D5185m  |           | 75          | ---      | ---      |
| Sulfur           | ppm      | ASTM D5185m  |           | 764         | ---      | ---      |
| Acid Number (AN) | mg KOH/g | ASTM D8045   |           | 0.08        | ---      | ---      |
| Visc @ 40°C      | cSt      | ASTM D445    |           | 45.9        | ---      | ---      |



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0222119 **Received** : 17 Jun 2024  
**Lab Number** : 06211490 **Tested** : 18 Jun 2024  
**Unique Number** : 11084354 **Diagnosed** : 18 Jun 2024 - Angela Borella  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529  
 Contact: RALEIGH SHOP

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)