



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

Machine Id  
**JOHN DEERE 700L 1T0700LXCNF429670**

Component  
**Right Final Drive**

Fluid  
**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>JR0212545</b>   | JR0181600   | JR0152908   |
| Sample Date    |     | Client Info |           | <b>07 May 2024</b> | 26 Jul 2023 | 29 Dec 2022 |
| Machine Age    | hrs | Client Info |           | <b>2990</b>        | 1556        | 592         |
| Oil Age        | hrs | Client Info |           | <b>0</b>           | 1556        | 592         |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | Not Changd  | Not Changd  |
| Filter Changed |     | Client Info |           | <b>None</b>        | N/A         | N/A         |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

### WEAR

All component wear rates are normal.

|              |        |             |       |              |      |       |
|--------------|--------|-------------|-------|--------------|------|-------|
| PQ           |        | ASTM D8184  | >1250 | <b>136</b>   | 16   | 74    |
| Iron         | ppm    | ASTM D5185m | >750  | <b>86</b>    | 13   | 112   |
| Chromium     | ppm    | ASTM D5185m | >9    | <b>&lt;1</b> | <1   | 2     |
| Nickel       | ppm    | ASTM D5185m | >10   | <b>0</b>     | 0    | 0     |
| Titanium     | ppm    | ASTM D5185m |       | <b>0</b>     | <1   | 0     |
| Silver       | ppm    | ASTM D5185m |       | <b>0</b>     | 0    | 0     |
| Aluminum     | ppm    | ASTM D5185m | >40   | <b>1</b>     | <1   | <1    |
| Lead         | ppm    | ASTM D5185m | >15   | <b>&lt;1</b> | <1   | 1     |
| Copper       | ppm    | ASTM D5185m | >40   | <b>0</b>     | <1   | <1    |
| Tin          | ppm    | ASTM D5185m | >10   | <b>&lt;1</b> | <1   | 0     |
| Vanadium     | ppm    | ASTM D5185m |       | <b>0</b>     | <1   | 0     |
| White Metal  | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE | MODER |
| Yellow Metal | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE | NONE  |

### CONTAMINATION

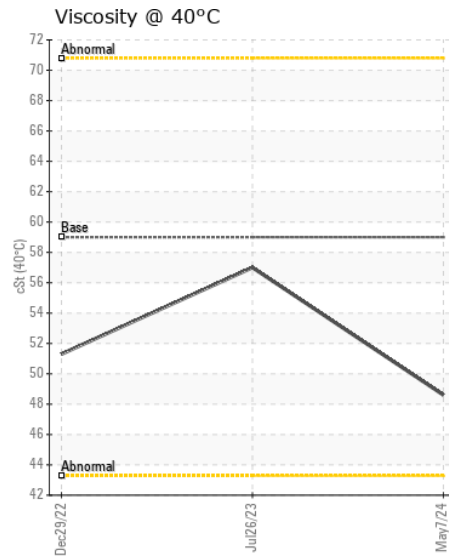
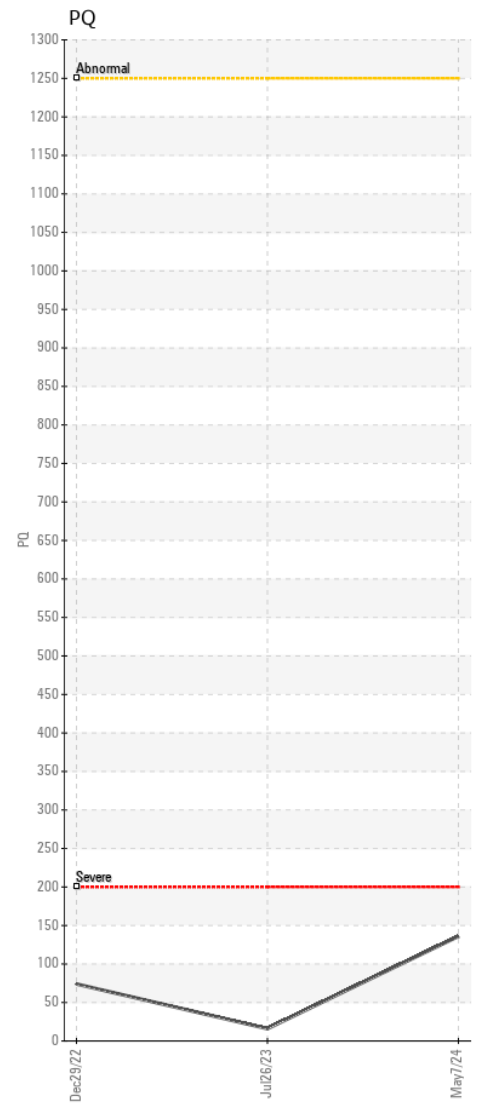
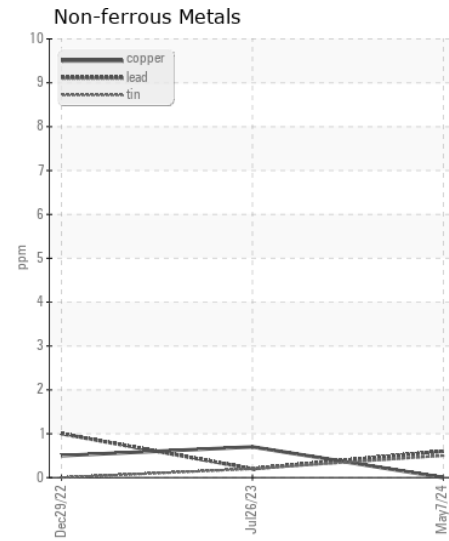
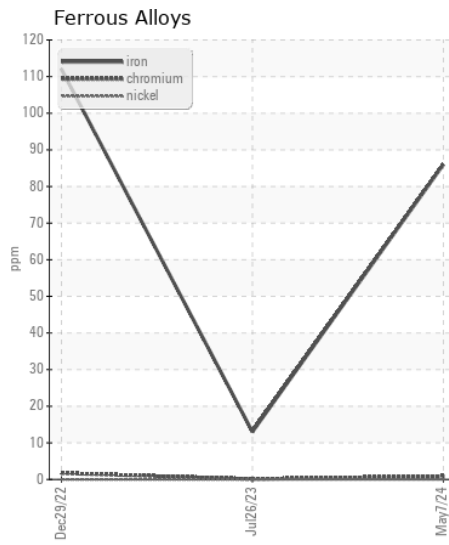
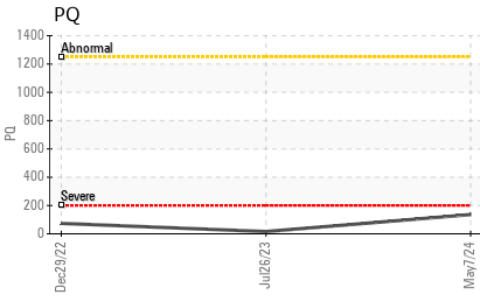
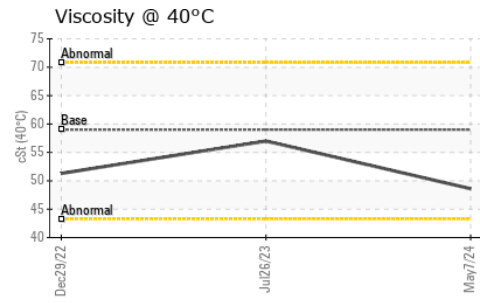
There is no indication of any contamination in the fluid.

|                  |        |             |        |              |       |       |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >75    | <b>10</b>    | 6     | 13    |
| Potassium        | ppm    | ASTM D5185m | >20    | <b>0</b>     | 1     | 4     |
| Water            |        | WC Method   | >0.075 | <b>NEG</b>   | NEG   | NEG   |
| 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     | >0.075 | <b>NEG</b>   | NEG   | NEG   |

### FLUID CONDITION

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

|             |     |             |     |             |      |      |
|-------------|-----|-------------|-----|-------------|------|------|
| Sodium      | ppm | ASTM D5185m | >51 | <b>2</b>    | 1    | <1   |
| Boron       | ppm | ASTM D5185m |     | <b>13</b>   | 6    | 104  |
| Barium      | ppm | ASTM D5185m |     | <b>0</b>    | 0    | 1    |
| Molybdenum  | ppm | ASTM D5185m |     | <b>13</b>   | 2    | 1    |
| Manganese   | ppm | ASTM D5185m |     | <b>2</b>    | <1   | 3    |
| Magnesium   | ppm | ASTM D5185m |     | <b>127</b>  | 97   | 90   |
| Calcium     | ppm | ASTM D5185m |     | <b>3231</b> | 2862 | 3381 |
| Phosphorus  | ppm | ASTM D5185m |     | <b>989</b>  | 890  | 969  |
| Zinc        | ppm | ASTM D5185m |     | <b>1158</b> | 1112 | 1185 |
| Sulfur      | ppm | ASTM D5185m |     | <b>4145</b> | 3887 | 4192 |
| Visc @ 40°C | cSt | ASTM D445   | 59  | <b>48.6</b> | 57.0 | 51.3 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0212545 **Received** : 09 May 2024  
**Lab Number** : 06174150 **Tested** : 10 May 2024  
**Unique Number** : 11020203 **Diagnosed** : 12 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

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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)

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