



**James River  
Equipment**

**OIL ANALYSIS REPORT**

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



Machine Id  
**JOHN DEERE 700K 1T0700KXAHF317296**  
Component  
**Transmission (Manual)**  
Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>JR0220133</b>   | JR0206479   | JR0178824   |
| Sample Date    |     | Client Info |           | <b>11 Jul 2024</b> | 29 Feb 2024 | 20 Oct 2023 |
| Machine Age    | hrs | Client Info |           | <b>6993</b>        | 6993        | 6518        |
| Oil Age        | hrs | Client Info |           | <b>5969</b>        | 6444        | 549         |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>N/A</b>         | Not Changd  | Not Changd  |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | Not Changd  | Not Changd  |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |             |      |      |
|--------------|--------|-------------|------|-------------|------|------|
| PQ           |        | ASTM D8184  | >95  | <b>16</b>   | 14   | 20   |
| Iron         | ppm    | ASTM D5185m | >200 | <b>4</b>    | 0    | 0    |
| Chromium     | ppm    | ASTM D5185m | >5   | <b>0</b>    | <1   | 0    |
| Nickel       | ppm    | ASTM D5185m | >5   | <b>0</b>    | 0    | <1   |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Silver       | ppm    | ASTM D5185m | >7   | <b>0</b>    | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >25  | <b>0</b>    | 2    | <1   |
| Lead         | ppm    | ASTM D5185m | >45  | <b>0</b>    | 0    | 0    |
| Copper       | ppm    | ASTM D5185m | >225 | <b>4</b>    | 3    | 0    |
| Tin          | ppm    | ASTM D5185m | >10  | <b>0</b>    | 0    | <1   |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b> | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b> | NONE | NONE |

**CONTAMINATION**

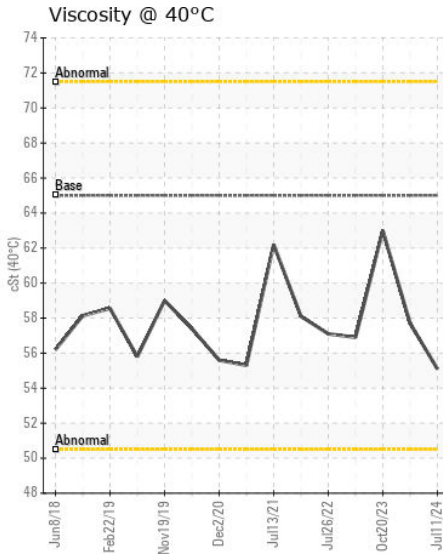
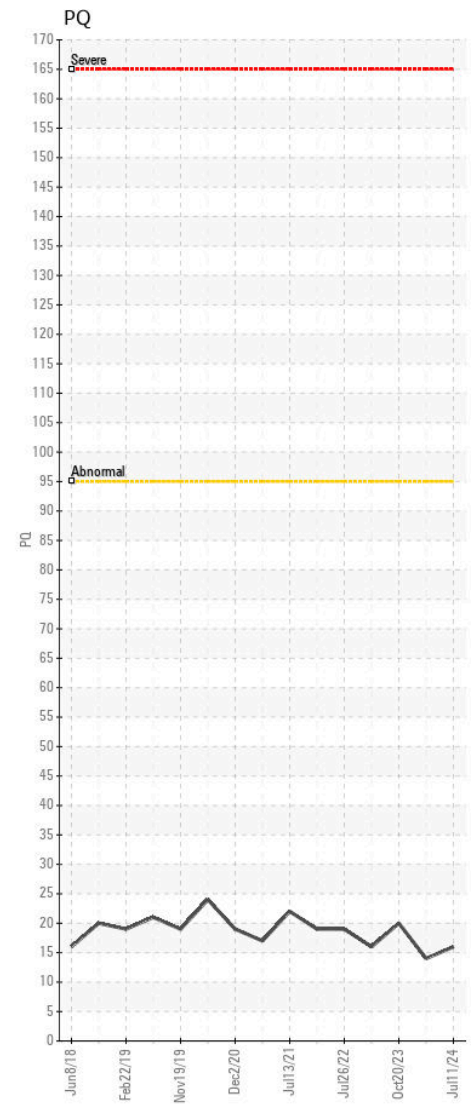
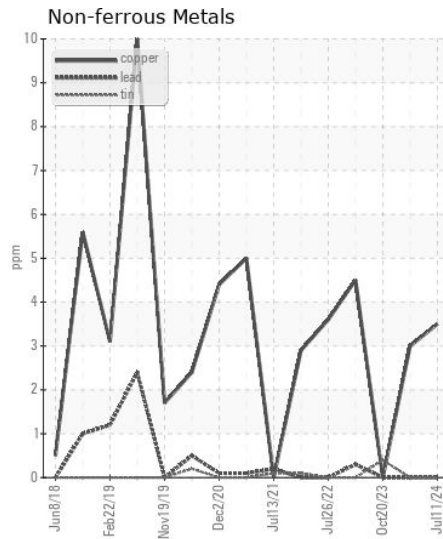
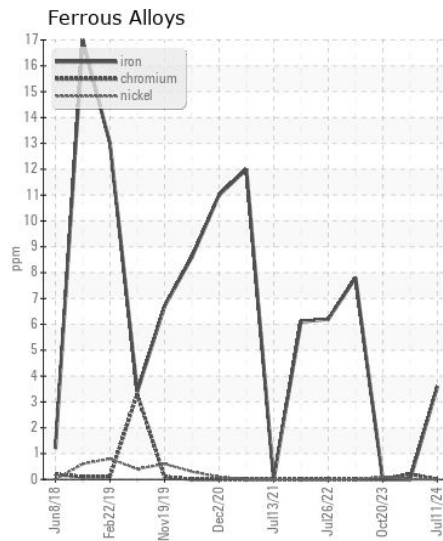
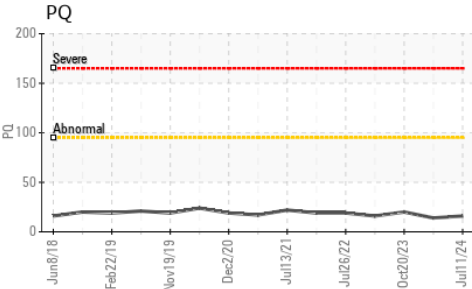
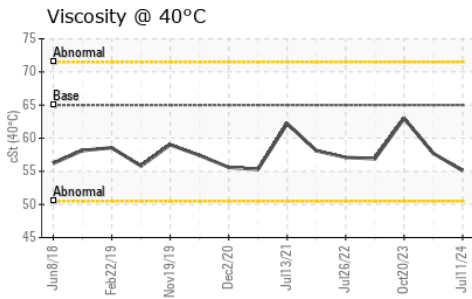
There is no indication of any contamination in the fluid.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >125  | <b>&lt;1</b> | <1    | 1     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>0</b>     | <1    | <1    |
| Water            |        | WC Method   | >0.1  | <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     | >0.1  | <b>NEG</b>   | NEG   | NEG   |

**FLUID CONDITION**

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

|             |     |             |      |             |      |      |
|-------------|-----|-------------|------|-------------|------|------|
| Sodium      | ppm | ASTM D5185m |      | <b>1</b>    | 0    | 0    |
| Boron       | ppm | ASTM D5185m |      | <b>0</b>    | 2    | 8    |
| Barium      | ppm | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Molybdenum  | ppm | ASTM D5185m |      | <b>2</b>    | 3    | 7    |
| Manganese   | ppm | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Magnesium   | ppm | ASTM D5185m |      | <b>12</b>   | 15   | 29   |
| Calcium     | ppm | ASTM D5185m | 87   | <b>184</b>  | 162  | 138  |
| Phosphorus  | ppm | ASTM D5185m | 727  | <b>675</b>  | 642  | 694  |
| Zinc        | ppm | ASTM D5185m | 900  | <b>842</b>  | 902  | 919  |
| Sulfur      | ppm | ASTM D5185m | 1500 | <b>1875</b> | 1646 | 1770 |
| Visc @ 40°C | cSt | ASTM D445   | 65   | <b>55.1</b> | 57.7 | 63.0 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220133  
**Lab Number** : 06236310  
**Unique Number** : 11125144  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)