



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



Area  
**[W49984]**  
 Machine Id  
**JOHN DEERE 824K 1DW824KXTHF680767**  
 Component  
**Transmission (Manual)**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>JR0200466</b>   | JR0180653   | JR0180153   |
| Sample Date    |     | Client Info |           | <b>23 Feb 2024</b> | 20 Dec 2023 | 30 Aug 2023 |
| Machine Age    | hrs | Client Info |           | <b>10186</b>       | 9291        | 8140        |
| Oil Age        | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | Not Changd  | Changed     |
| Filter Changed |     | Client Info |           | <b>Changed</b>     | Not Changd  | Changed     |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

### WEAR

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| PQ           |        | ASTM D8184  | >95  | <b>15</b>    | 20   | 20   |
| Iron         | ppm    | ASTM D5185m | >200 | <b>14</b>    | 11   | 25   |
| Chromium     | ppm    | ASTM D5185m | >5   | <b>0</b>     | 0    | <1   |
| Nickel       | ppm    | ASTM D5185m | >5   | <b>0</b>     | 1    | 0    |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | 0    |
| Silver       | ppm    | ASTM D5185m | >7   | <b>0</b>     | <1   | 0    |
| Aluminum     | ppm    | ASTM D5185m | >25  | <b>&lt;1</b> | 2    | 3    |
| Lead         | ppm    | ASTM D5185m | >45  | <b>&lt;1</b> | <1   | 0    |
| Copper       | ppm    | ASTM D5185m | >225 | <b>2</b>     | 3    | 10   |
| Tin          | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | 0    | 0    |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>     | <1   | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |

### CONTAMINATION

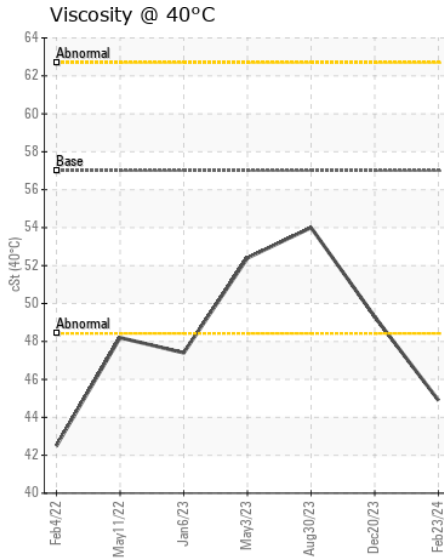
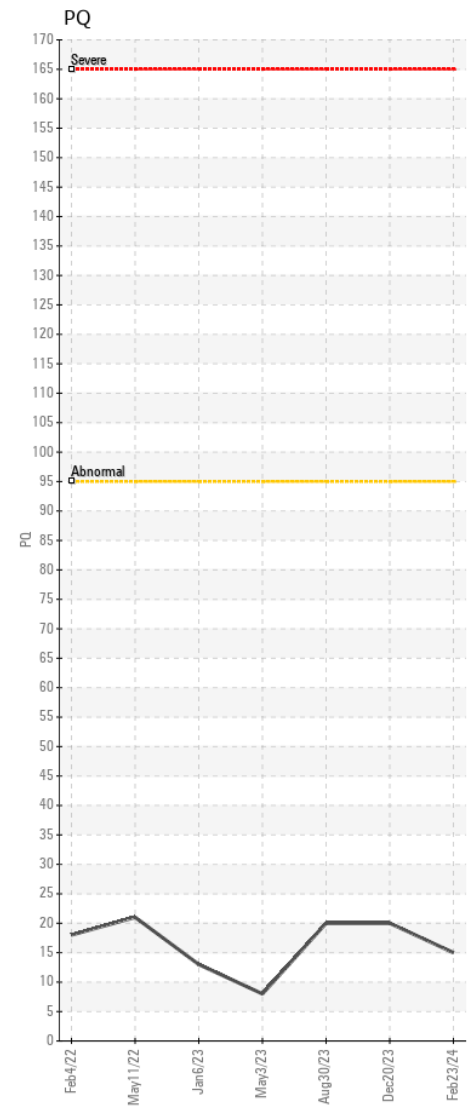
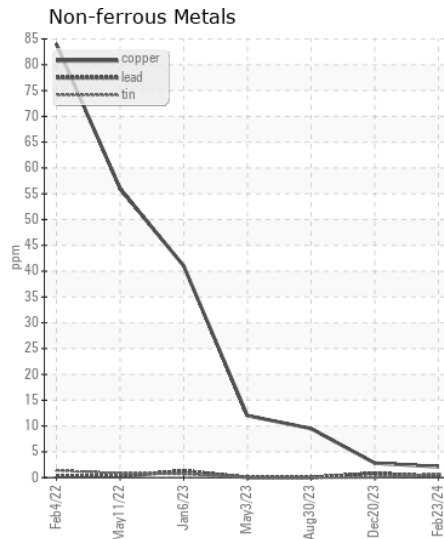
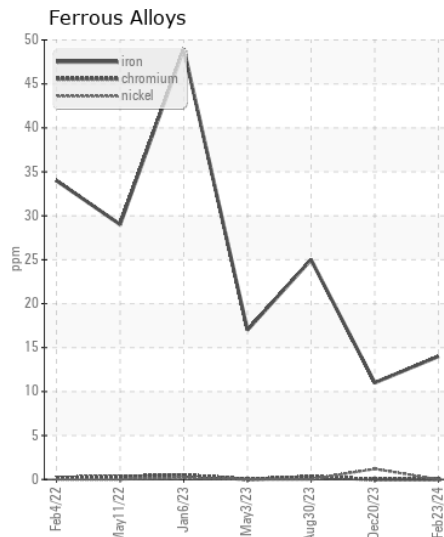
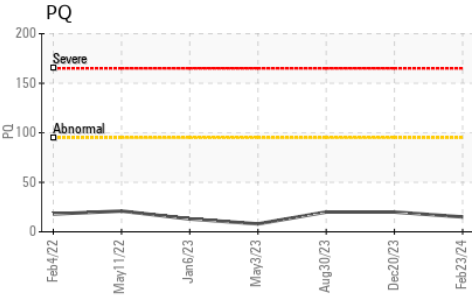
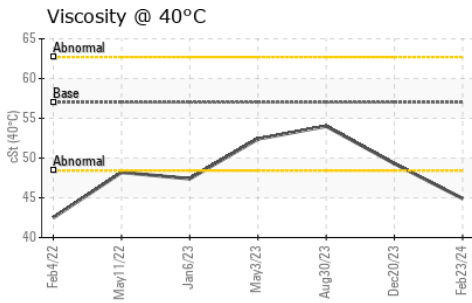
There is no indication of any contamination in the fluid.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >125  | <b>5</b>     | 4     | 9     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>0</b>     | 0     | 2     |
| 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>&lt;1</b> | 0    | 2    |
| Boron       | ppm | ASTM D5185m | 6    | <b>41</b>    | 13   | 72   |
| Barium      | ppm | ASTM D5185m | 0    | <b>0</b>     | 0    | 2    |
| Molybdenum  | ppm | ASTM D5185m | 0    | <b>3</b>     | 1    | 2    |
| Manganese   | ppm | ASTM D5185m |      | <b>0</b>     | <1   | <1   |
| Magnesium   | ppm | ASTM D5185m | 145  | <b>73</b>    | 72   | 68   |
| Calcium     | ppm | ASTM D5185m | 3570 | <b>3336</b>  | 3263 | 3360 |
| Phosphorus  | ppm | ASTM D5185m | 1290 | <b>1077</b>  | 1094 | 1066 |
| Zinc        | ppm | ASTM D5185m | 1640 | <b>1262</b>  | 1410 | 1319 |
| Sulfur      | ppm | ASTM D5185m |      | <b>3830</b>  | 4862 | 6535 |
| Visc @ 40°C | cSt | ASTM D445   | 57.0 | <b>44.9</b>  | 49.3 | 54.0 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0200466 **Received** : 28 Feb 2024  
**Lab Number** : 06103200 **Tested** : 01 Mar 2024  
**Unique Number** : 10901430 **Diagnosed** : 01 Mar 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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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