



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

Machine Id  
**JOHN DEERE 1DW768LBHMF712696**

Component  
**Front Right Final Drive**

Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>JRMC398476</b>  | JR0171420   | JR0156188   |
| Sample Date    |     | Client Info |           | <b>04 Jan 2024</b> | 26 Jun 2023 | 18 Jan 2023 |
| Machine Age    | hrs | Client Info |           | <b>2542</b>        | 1984        | 1505        |
| Oil Age        | hrs | Client Info |           | <b>1000</b>        | 1984        | 500         |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 500         |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | Changed     |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

### WEAR

All component wear rates are normal.

|              |        |             |       |              |      |      |
|--------------|--------|-------------|-------|--------------|------|------|
| PQ           |        | ASTM D8184  | >1250 | <b>27</b>    | 22   | 31   |
| Iron         | ppm    | ASTM D5185m | >750  | <b>49</b>    | 53   | 66   |
| Chromium     | ppm    | ASTM D5185m | >9    | <b>&lt;1</b> | <1   | 1    |
| Nickel       | ppm    | ASTM D5185m | >10   | <b>0</b>     | <1   | <1   |
| Titanium     | ppm    | ASTM D5185m |       | <b>0</b>     | 0    | <1   |
| Silver       | ppm    | ASTM D5185m |       | <b>0</b>     | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >40   | <b>2</b>     | 0    | 2    |
| Lead         | ppm    | ASTM D5185m | >15   | <b>0</b>     | 0    | 0    |
| Copper       | ppm    | ASTM D5185m | >40   | <b>0</b>     | <1   | <1   |
| 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

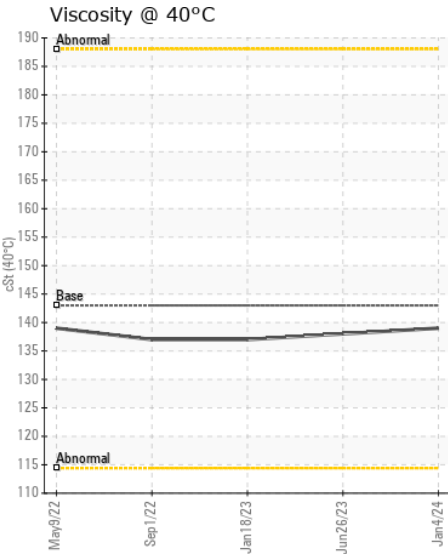
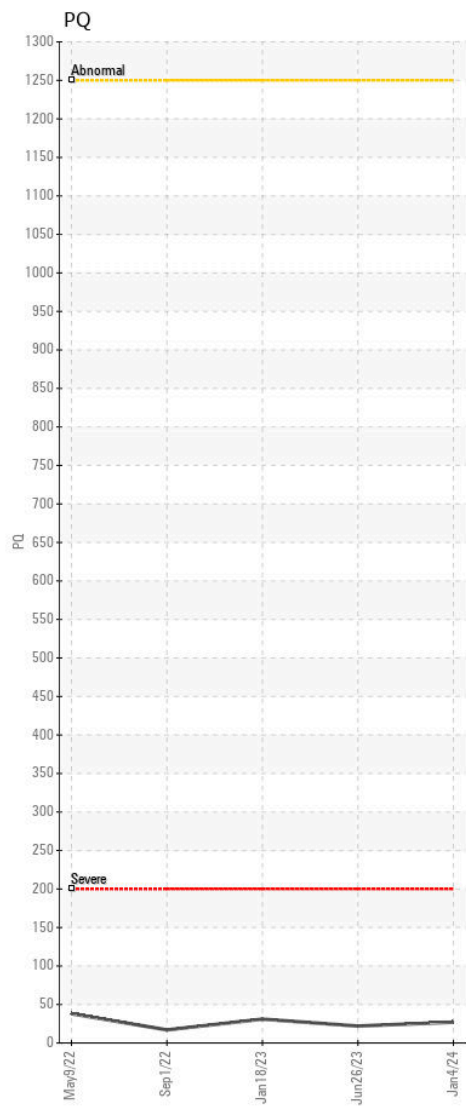
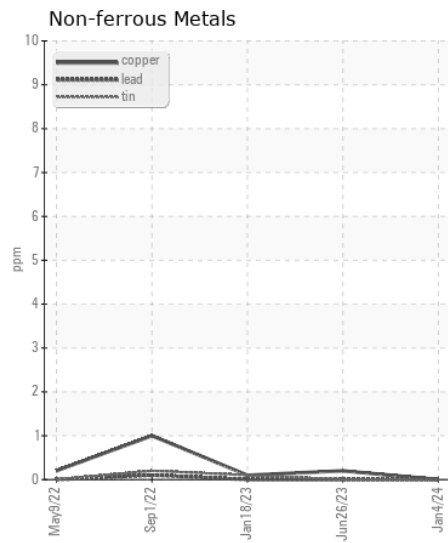
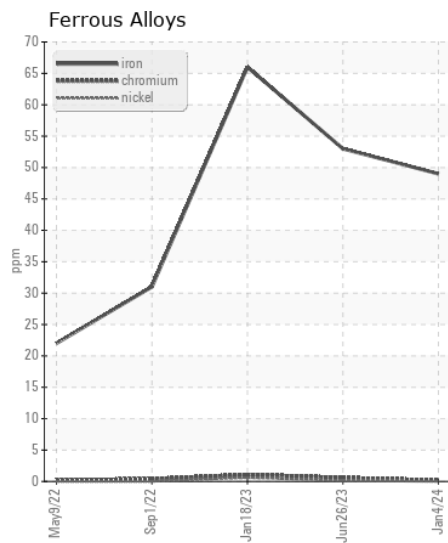
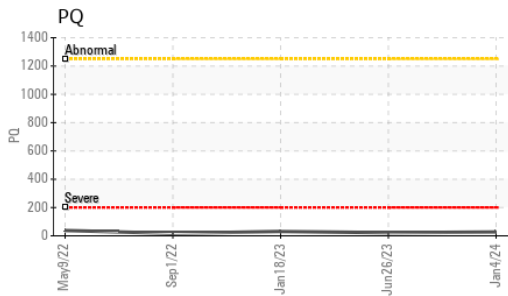
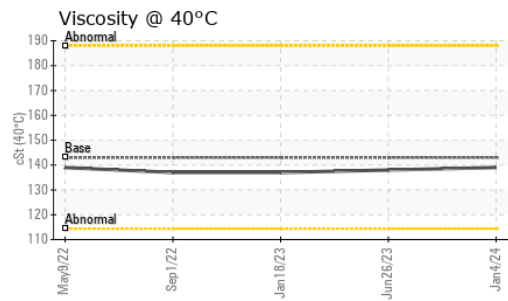
There is no indication of any contamination in the oil.

|                  |        |             |        |              |       |       |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >75    | <b>2</b>     | 2     | 7     |
| Potassium        | ppm    | ASTM D5185m | >20    | <b>&lt;1</b> | <1    | 0     |
| 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 oil is acceptable for the time in service.

|             |     |             |       |              |       |       |
|-------------|-----|-------------|-------|--------------|-------|-------|
| Sodium      | ppm | ASTM D5185m | >170  | <b>0</b>     | 0     | <1    |
| Boron       | ppm | ASTM D5185m | 400   | <b>19</b>    | 30    | 31    |
| Barium      | ppm | ASTM D5185m | 200   | <b>0</b>     | 0     | 0     |
| Molybdenum  | ppm | ASTM D5185m | 12    | <b>0</b>     | <1    | <1    |
| Manganese   | ppm | ASTM D5185m |       | <b>0</b>     | 1     | 1     |
| Magnesium   | ppm | ASTM D5185m | 12    | <b>11</b>    | 43    | 47    |
| Calcium     | ppm | ASTM D5185m | 150   | <b>6</b>     | 11    | 6     |
| Phosphorus  | ppm | ASTM D5185m | 1650  | <b>471</b>   | 363   | 402   |
| Zinc        | ppm | ASTM D5185m | 125   | <b>0</b>     | 6     | 8     |
| Sulfur      | ppm | ASTM D5185m | 22500 | <b>21343</b> | 21581 | 21959 |
| Visc @ 40°C | cSt | ASTM D445   | 143   | <b>139</b>   | 138   | 137   |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JRMC398476 **Received** : 18 Jan 2024  
**Lab Number** : 06065168 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10836550 **Diagnostician** : 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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