



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

Machine Id  
**JOHN DEERE 7760 1N07760XEB0035374**  
 Component  
**Front Left Final Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

| Test           | UOM | Method      | Limit/Abn | Current            | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number  |     | Client Info |           | <b>JR0201502</b>   | ---      | ---      |
| Sample Date    |     | Client Info |           | <b>14 Apr 2024</b> | ---      | ---      |
| Machine Age    | hrs | Client Info |           | <b>3799</b>        | ---      | ---      |
| Oil Age        | hrs | Client Info |           | <b>0</b>           | ---      | ---      |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | ---      | ---      |
| Oil Changed    |     | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b>      | ---      | ---      |

### WEAR

All component wear rates are normal.

|              |        |             |       |              |     |     |
|--------------|--------|-------------|-------|--------------|-----|-----|
| PQ           |        | ASTM D8184  | >1250 | <b>66</b>    | --- | --- |
| Iron         | ppm    | ASTM D5185m | >750  | <b>65</b>    | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >9    | <b>2</b>     | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >10   | <b>&lt;1</b> | --- | --- |
| Titanium     | ppm    | ASTM D5185m |       | <b>1</b>     | --- | --- |
| Silver       | ppm    | ASTM D5185m |       | <b>0</b>     | --- | --- |
| Aluminum     | ppm    | ASTM D5185m | >40   | <b>3</b>     | --- | --- |
| Lead         | ppm    | ASTM D5185m | >15   | <b>1</b>     | --- | --- |
| Copper       | ppm    | ASTM D5185m | >40   | <b>3</b>     | --- | --- |
| Tin          | ppm    | ASTM D5185m | >10   | <b>&lt;1</b> | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |       | <b>&lt;1</b> | --- | --- |
| White Metal  | scalar | *Visual     | NONE  | <b>NONE</b>  | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE  | <b>NONE</b>  | --- | --- |

### CONTAMINATION

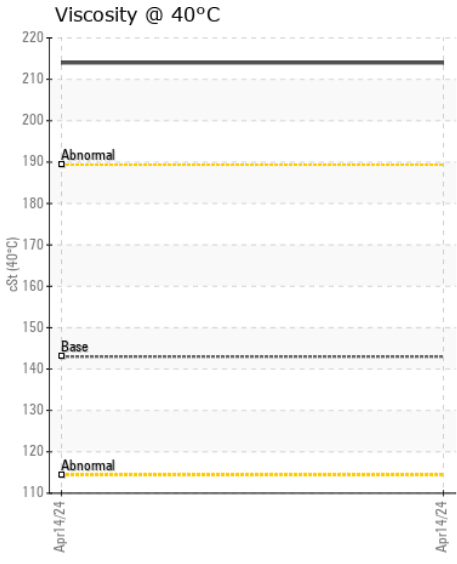
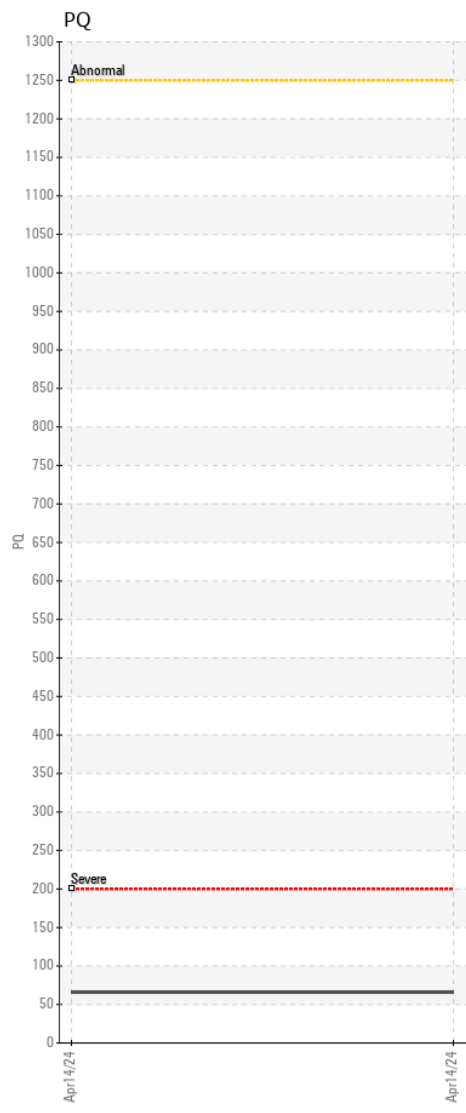
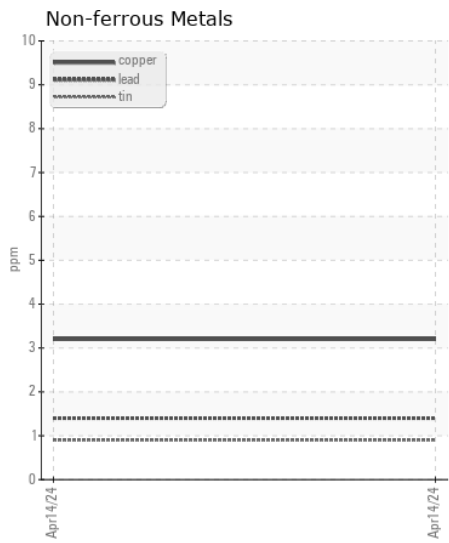
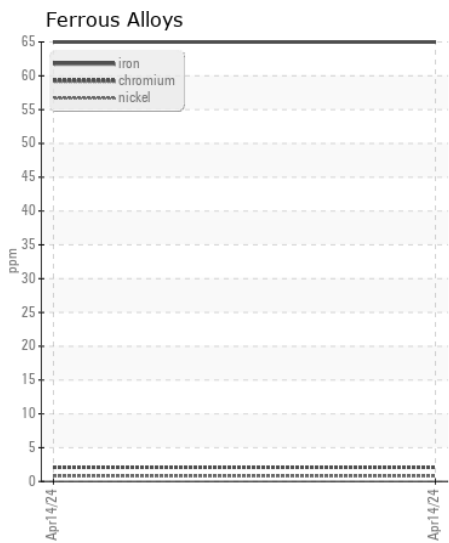
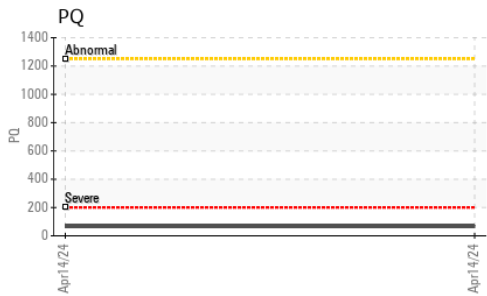
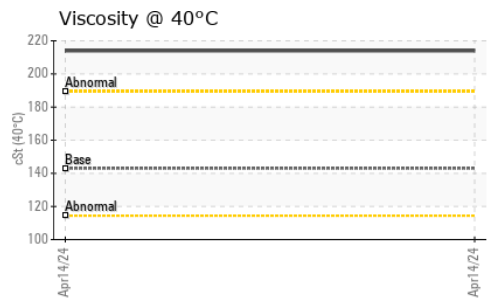
There is no indication of any contamination in the oil.

|                  |        |             |        |              |     |     |
|------------------|--------|-------------|--------|--------------|-----|-----|
| Silicon          | ppm    | ASTM D5185m | >75    | <b>41</b>    | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20    | <b>2</b>     | --- | --- |
| Water            |        | WC Method   | >0.075 | <b>NEG</b>   | --- | --- |
| Silt             | scalar | *Visual     | NONE   | <b>LIGHT</b> | --- | --- |
| Debris           | scalar | *Visual     | NONE   | <b>NONE</b>  | --- | --- |
| Sand/Dirt        | scalar | *Visual     | NONE   | <b>NONE</b>  | --- | --- |
| Appearance       | scalar | *Visual     | NORML  | <b>NORML</b> | --- | --- |
| Odor             | scalar | *Visual     | NORML  | <b>NORML</b> | --- | --- |
| Emulsified Water | scalar | *Visual     | >0.075 | <b>NEG</b>   | --- | --- |

### FLUID CONDITION

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

|             |     |             |       |              |     |     |
|-------------|-----|-------------|-------|--------------|-----|-----|
| Sodium      | ppm | ASTM D5185m | >170  | <b>2</b>     | --- | --- |
| Boron       | ppm | ASTM D5185m | 400   | <b>96</b>    | --- | --- |
| Barium      | ppm | ASTM D5185m | 200   | <b>2</b>     | --- | --- |
| Molybdenum  | ppm | ASTM D5185m | 12    | <b>2</b>     | --- | --- |
| Manganese   | ppm | ASTM D5185m |       | <b>3</b>     | --- | --- |
| Magnesium   | ppm | ASTM D5185m | 12    | <b>4</b>     | --- | --- |
| Calcium     | ppm | ASTM D5185m | 150   | <b>28</b>    | --- | --- |
| Phosphorus  | ppm | ASTM D5185m | 1650  | <b>638</b>   | --- | --- |
| Zinc        | ppm | ASTM D5185m | 125   | <b>15</b>    | --- | --- |
| Sulfur      | ppm | ASTM D5185m | 22500 | <b>22686</b> | --- | --- |
| Visc @ 40°C | cSt | ASTM D445   | 143   | <b>214</b>   | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0201502 **Received** : 15 Apr 2024  
**Lab Number** : 06148975 **Tested** : 16 Apr 2024  
**Unique Number** : 10979053 **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - WAKEFIELD**  
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 US 23888  
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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)