



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

Machine Id  
**JOHN DEERE 350G 1FF350GXCLF814435**  
Component  
**Right Final Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>JR0202860</b>   | JR0175607   | JR0163861   |
| Sample Date    |     | Client Info |           | <b>08 Feb 2024</b> | 03 Aug 2023 | 23 Mar 2023 |
| Machine Age    | hrs | Client Info |           | <b>5523</b>        | 4570        | 4039        |
| Oil Age        | hrs | Client Info |           | <b>4992</b>        | 531         | 4039        |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>Not Changd</b>  | Not Changd  | Changed     |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | SEVERE      |

**WEAR**

All component wear rates are normal.

|              |        |             |       |              |      |       |
|--------------|--------|-------------|-------|--------------|------|-------|
| PQ           |        | ASTM D8184  | >1250 | <b>30</b>    | 50   | 3404  |
| Iron         | ppm    | ASTM D5185m | >750  | <b>203</b>   | 524  | 10000 |
| Chromium     | ppm    | ASTM D5185m | >9    | <b>2</b>     | 4    | 88    |
| Nickel       | ppm    | ASTM D5185m | >10   | <b>0</b>     | 1    | 16    |
| Titanium     | ppm    | ASTM D5185m |       | <b>0</b>     | 1    | 40    |
| Silver       | ppm    | ASTM D5185m |       | <b>&lt;1</b> | <1   | <1    |
| Aluminum     | ppm    | ASTM D5185m | >40   | <b>0</b>     | 18   | 120   |
| Lead         | ppm    | ASTM D5185m | >15   | <b>&lt;1</b> | <1   | <1    |
| Copper       | ppm    | ASTM D5185m | >40   | <b>0</b>     | 1    | 21    |
| Tin          | ppm    | ASTM D5185m | >10   | <b>0</b>     | 0    | 1     |
| Vanadium     | ppm    | ASTM D5185m |       | <b>0</b>     | <1   | 2     |
| White Metal  | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE | MODER |
| Yellow Metal | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE | NONE  |

**CONTAMINATION**

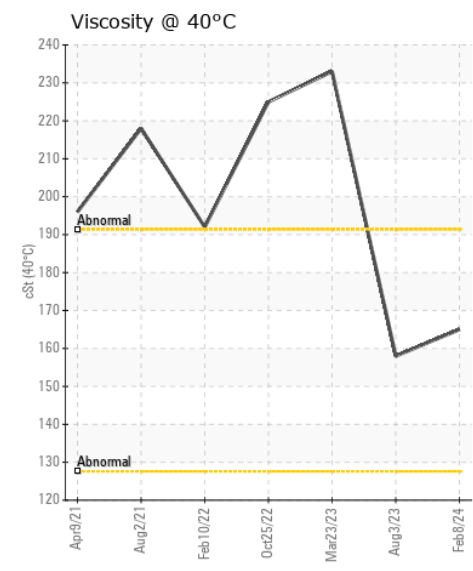
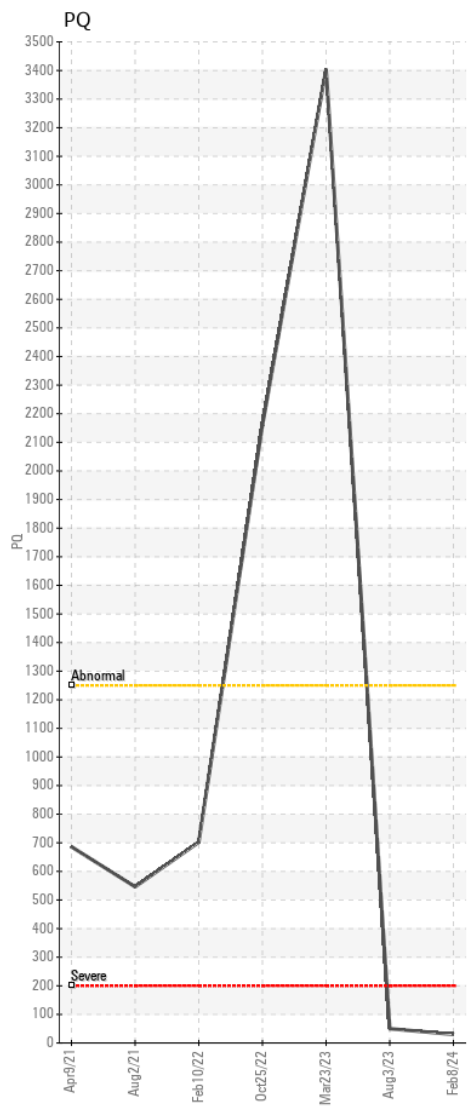
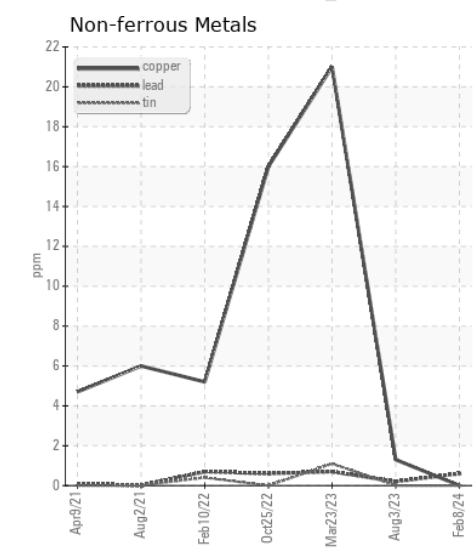
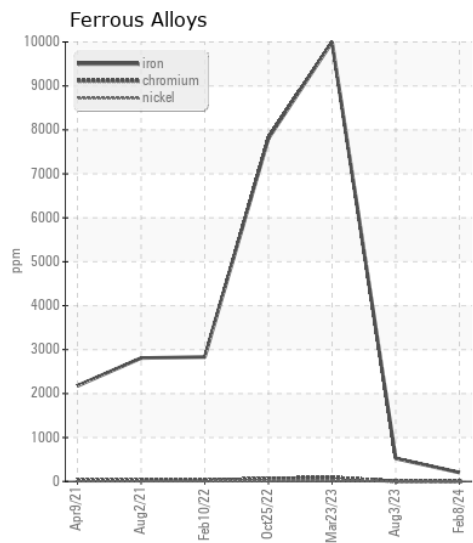
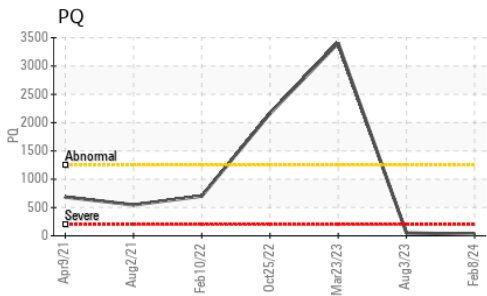
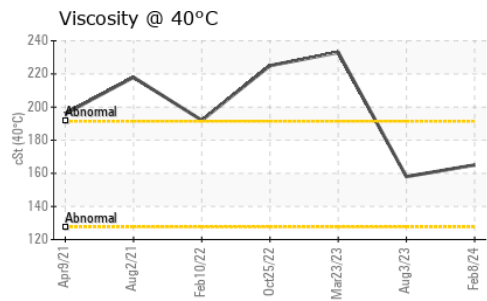
There is no indication of any contamination in the oil.

|                  |        |             |        |              |       |       |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >75    | <b>4</b>     | 73    | 2424  |
| Potassium        | ppm    | ASTM D5185m | >20    | <b>0</b>     | 5     | 23    |
| 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 | >51 | <b>1</b>     | 3     | 12    |
| Boron       | ppm | ASTM D5185m |     | <b>104</b>   | 91    | 32    |
| Barium      | ppm | ASTM D5185m |     | <b>0</b>     | 0     | 2     |
| Molybdenum  | ppm | ASTM D5185m |     | <b>0</b>     | <1    | 9     |
| Manganese   | ppm | ASTM D5185m |     | <b>3</b>     | 4     | 84    |
| Magnesium   | ppm | ASTM D5185m |     | <b>105</b>   | 120   | 18    |
| Calcium     | ppm | ASTM D5185m |     | <b>15</b>    | 13    | 35    |
| Phosphorus  | ppm | ASTM D5185m |     | <b>1327</b>  | 1413  | 2059  |
| Zinc        | ppm | ASTM D5185m |     | <b>0</b>     | 11    | 30    |
| Sulfur      | ppm | ASTM D5185m |     | <b>20018</b> | 24624 | 23985 |
| Visc @ 40°C | cSt | ASTM D445   |     | <b>165</b>   | 158   | 233   |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0202860 **Received** : 09 Feb 2024  
**Lab Number** : 06085046 **Tested** : 11 Feb 2024  
**Unique Number** : 10872491 **Diagnosed** : 12 Feb 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529  
 Contact: RALEIGH SHOP

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)

sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com  
 T: (919)614-2260  
 F: (919)779-5432