



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



Machine Id  
**JOHN DEERE 210G 1FF210GXVNF530404**  
 Component  
**Pump Drive**  
 Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number  |     | Client Info |           | <b>JR0220337</b>   | JR0199692   | ---      |
| Sample Date    |     | Client Info |           | <b>26 Jun 2024</b> | 14 Feb 2024 | ---      |
| Machine Age    | hrs | Client Info |           | <b>1425</b>        | 1021        | ---      |
| Oil Age        | hrs | Client Info |           | <b>0</b>           | 1021        | ---      |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | ---      |
| Oil Changed    |     | Client Info |           | <b>Not Changed</b> | Changed     | ---      |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | ---      |

### WEAR

All component wear rates are normal.

|              |        |             |      |              |      |     |
|--------------|--------|-------------|------|--------------|------|-----|
| PQ           |        | ASTM D8184  |      | <b>15</b>    | 15   | --- |
| Iron         | ppm    | ASTM D5185m | >151 | <b>25</b>    | 102  | --- |
| Chromium     | ppm    | ASTM D5185m | >11  | <b>&lt;1</b> | 1    | --- |
| Nickel       | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | 0    | --- |
| Titanium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | <1   | --- |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | --- |
| Aluminum     | ppm    | ASTM D5185m | >21  | <b>5</b>     | 2    | --- |
| Lead         | ppm    | ASTM D5185m | >51  | <b>0</b>     | 0    | --- |
| Copper       | ppm    | ASTM D5185m | >51  | <b>&lt;1</b> | <1   | --- |
| Tin          | ppm    | ASTM D5185m | >4   | <b>0</b>     | 0    | --- |
| Vanadium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | 0    | --- |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | --- |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | --- |

### CONTAMINATION

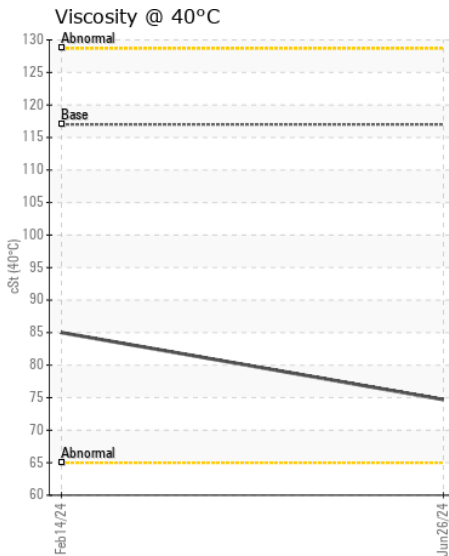
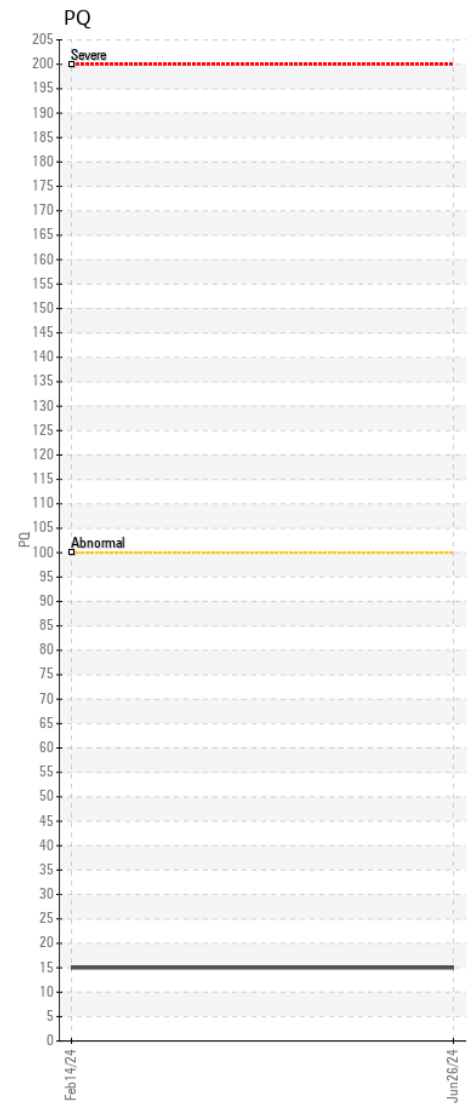
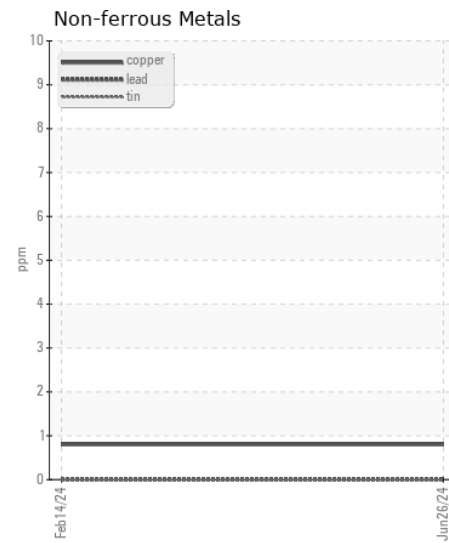
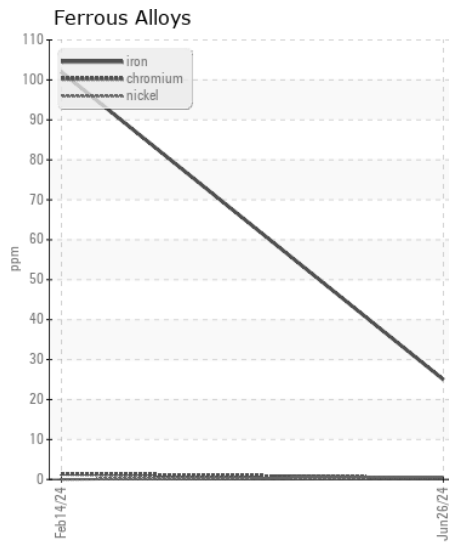
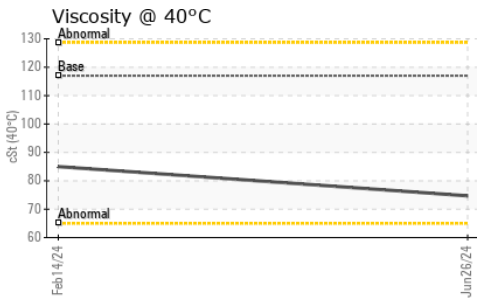
There is no indication of any contamination in the oil.

|                  |        |             |       |              |       |     |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon          | ppm    | ASTM D5185m | >31   | <b>10</b>    | 14    | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>5</b>     | <1    | --- |
| Water            |        | WC Method   | >0.1  | <b>NEG</b>   | NEG   | --- |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | --- |
| Debris           | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | --- |
| Sand/Dirt        | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | --- |
| Appearance       | scalar | *Visual     | NORML | <b>NORML</b> | NORML | --- |
| Odor             | scalar | *Visual     | NORML | <b>NORML</b> | NORML | --- |
| Emulsified Water | scalar | *Visual     | >0.1  | <b>NEG</b>   | NEG   | --- |

### FLUID CONDITION

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

|             |     |             |     |             |       |     |
|-------------|-----|-------------|-----|-------------|-------|-----|
| Sodium      | ppm | ASTM D5185m | >51 | <b>4</b>    | 4     | --- |
| Boron       | ppm | ASTM D5185m |     | <b>247</b>  | 30    | --- |
| Barium      | ppm | ASTM D5185m |     | <b>0</b>    | 2     | --- |
| Molybdenum  | ppm | ASTM D5185m |     | <b>255</b>  | 57    | --- |
| Manganese   | ppm | ASTM D5185m |     | <b>1</b>    | 2     | --- |
| Magnesium   | ppm | ASTM D5185m |     | <b>872</b>  | 9     | --- |
| Calcium     | ppm | ASTM D5185m |     | <b>1622</b> | 2231  | --- |
| Phosphorus  | ppm | ASTM D5185m |     | <b>987</b>  | 826   | --- |
| Zinc        | ppm | ASTM D5185m |     | <b>1107</b> | 762   | --- |
| Sulfur      | ppm | ASTM D5185m |     | <b>4450</b> | 12482 | --- |
| Visc @ 40°C | cSt | ASTM D445   | 117 | <b>74.7</b> | 85.0  | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0220337

**Lab Number** : 06223702

**Unique Number** : 11101899

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 28 Jun 2024

**Tested** : 01 Jul 2024

**Diagnosed** : 01 Jul 2024 - Wes Davis

**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)