



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



Machine Id  
**JOHN DEERE 700K 1T0700KXHFK361339**  
Component  
**Left Final Drive**  
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>JR0218907</b>   | JR0191380   | JR0185208   |
| Sample Date    |     | Client Info |           | <b>20 Jun 2024</b> | 27 Dec 2023 | 16 Aug 2023 |
| Machine Age    | hrs | Client Info |           | <b>6483</b>        | 5995        | 5494        |
| Oil Age        | hrs | Client Info |           | <b>488</b>         | 1072        | 571         |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>Not Changd</b>  | Changed     | Not Changd  |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

### WEAR

All component wear rates are normal.

|              |        |             |       |              |       |      |
|--------------|--------|-------------|-------|--------------|-------|------|
| PQ           |        | ASTM D8184  | >1250 | <b>80</b>    | 124   | 17   |
| Iron         | ppm    | ASTM D5185m | >750  | <b>68</b>    | 97    | 23   |
| Chromium     | ppm    | ASTM D5185m | >9    | <b>&lt;1</b> | 1     | <1   |
| Nickel       | ppm    | ASTM D5185m | >10   | <b>0</b>     | 0     | 0    |
| Titanium     | ppm    | ASTM D5185m |       | <b>0</b>     | <1    | <1   |
| Silver       | ppm    | ASTM D5185m |       | <b>0</b>     | 0     | 0    |
| Aluminum     | ppm    | ASTM D5185m | >40   | <b>4</b>     | 5     | 2    |
| Lead         | ppm    | ASTM D5185m | >15   | <b>0</b>     | <1    | 0    |
| Copper       | ppm    | ASTM D5185m | >40   | <b>0</b>     | <1    | 0    |
| Tin          | ppm    | ASTM D5185m | >10   | <b>0</b>     | <1    | <1   |
| Vanadium     | ppm    | ASTM D5185m |       | <b>0</b>     | <1    | 0    |
| White Metal  | scalar | *Visual     | NONE  | <b>MODER</b> | MODER | NONE |
| Yellow Metal | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE |

### CONTAMINATION

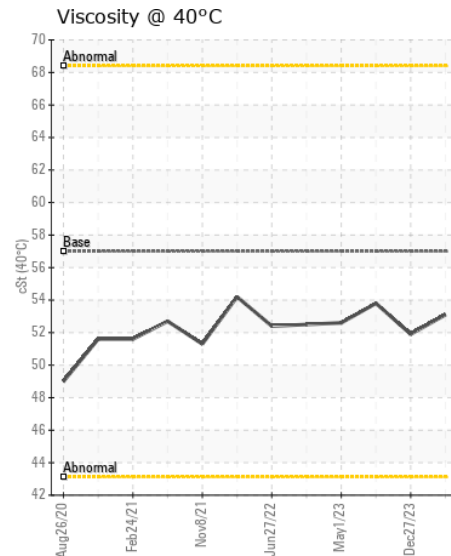
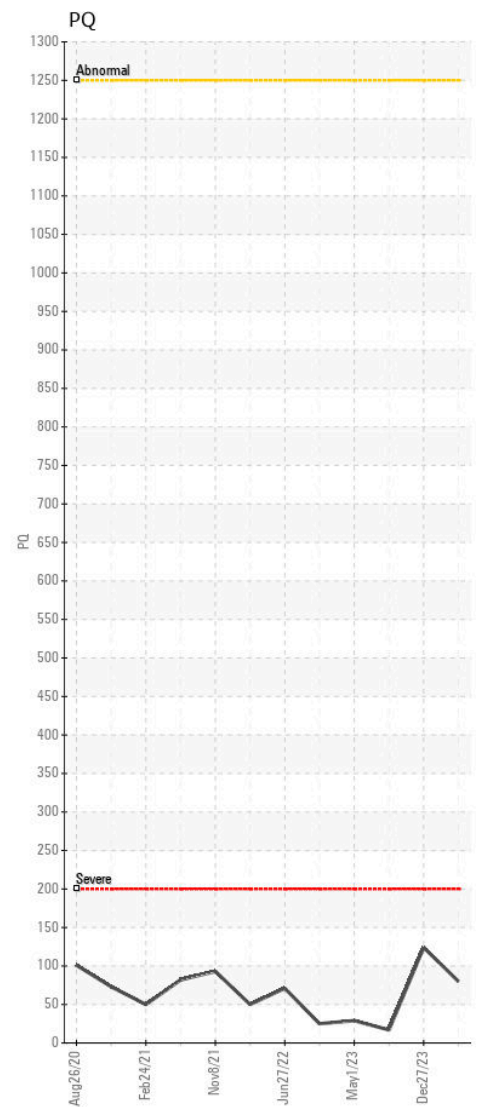
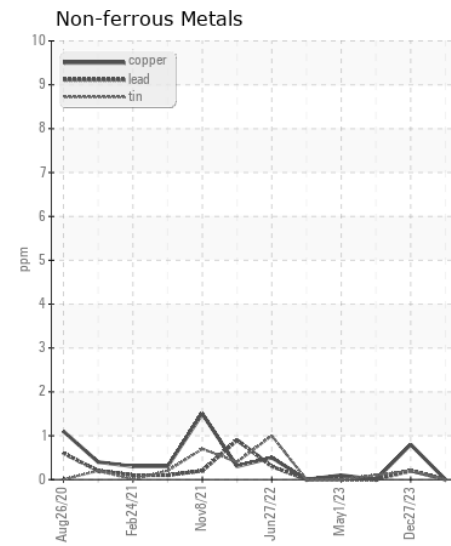
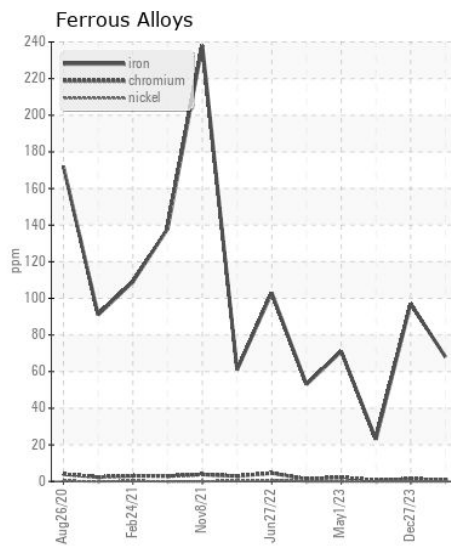
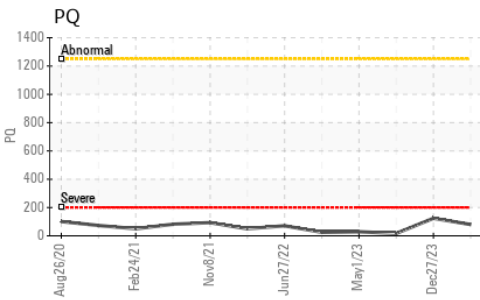
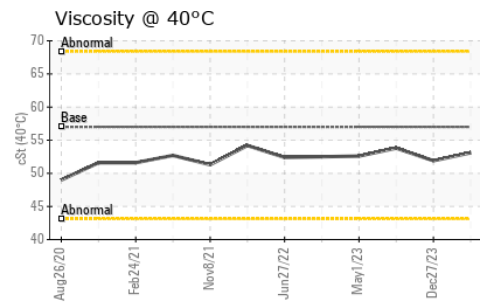
There is no indication of any contamination in the oil.

|                  |        |             |        |              |       |       |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >75    | <b>16</b>    | 16    | 8     |
| Potassium        | ppm    | ASTM D5185m | >20    | <b>&lt;1</b> | 0     | <1    |
| 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>&lt;1</b> | 1    | <1   |
| Boron       | ppm | ASTM D5185m | 6    | <b>5</b>     | 1    | <1   |
| Barium      | ppm | ASTM D5185m | 0    | <b>0</b>     | 0    | 0    |
| Molybdenum  | ppm | ASTM D5185m | 0    | <b>&lt;1</b> | <1   | 0    |
| Manganese   | ppm | ASTM D5185m |      | <b>&lt;1</b> | 2    | <1   |
| Magnesium   | ppm | ASTM D5185m | 145  | <b>100</b>   | 104  | 101  |
| Calcium     | ppm | ASTM D5185m | 3570 | <b>3388</b>  | 3381 | 3346 |
| Phosphorus  | ppm | ASTM D5185m | 1290 | <b>1010</b>  | 1029 | 964  |
| Zinc        | ppm | ASTM D5185m | 1640 | <b>1193</b>  | 1236 | 1213 |
| Sulfur      | ppm | ASTM D5185m |      | <b>4535</b>  | 3363 | 3948 |
| Visc @ 40°C | cSt | ASTM D445   | 57.0 | <b>53.1</b>  | 51.9 | 53.8 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218907 **Received** : 26 Jun 2024  
**Lab Number** : 06221533 **Tested** : 27 Jun 2024  
**Unique Number** : 11099730 **Diagnosed** : 27 Jun 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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