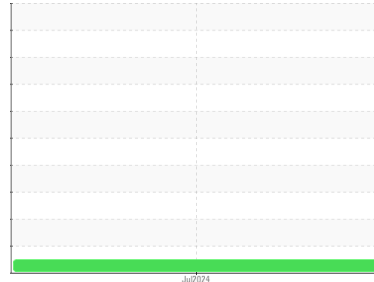




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE 700L 6X27 (S/N 1T0700LXLNF428359)**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number      | Client Info |             |            | <b>JR0197048</b>   | ---      | ---      |
| Sample Date        | Client Info |             |            | <b>12 Jul 2024</b> | ---      | ---      |
| Machine Age        | hrs         | Client Info |            | <b>104</b>         | ---      | ---      |
| Oil Age            | hrs         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Changed        | Client Info |             |            | <b>Not Chngd</b>   | ---      | ---      |
| Sample Status      |             |             |            | <b>NORMAL</b>      | ---      | ---      |

| CONTAMINATION |           | method | limit/base | current    | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water         | WC Method |        | >0.075     | <b>NEG</b> | ---      | ---      |

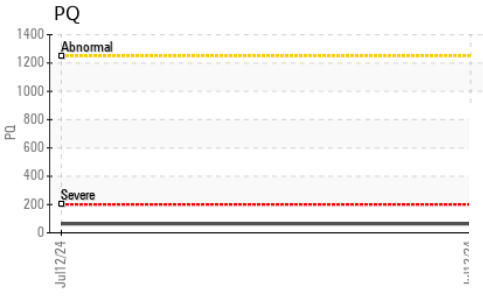
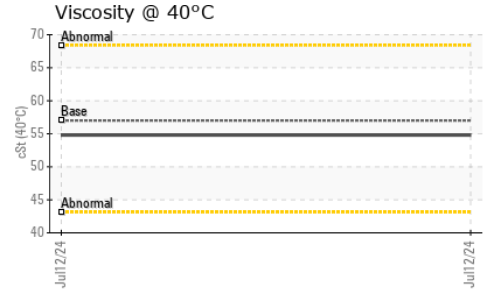
| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| PQ          |     | ASTM D8184  | >1250      | <b>64</b>    | ---      | ---      |
| Iron        | ppm | ASTM D5185m | >750       | <b>48</b>    | ---      | ---      |
| Chromium    | ppm | ASTM D5185m | >9         | <b>2</b>     | ---      | ---      |
| Nickel      | ppm | ASTM D5185m | >10        | <b>0</b>     | ---      | ---      |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Silver      | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Aluminum    | ppm | ASTM D5185m | >40        | <b>3</b>     | ---      | ---      |
| Lead        | ppm | ASTM D5185m | >15        | <b>0</b>     | ---      | ---      |
| Copper      | ppm | ASTM D5185m | >40        | <b>&lt;1</b> | ---      | ---      |
| Tin         | ppm | ASTM D5185m | >10        | <b>0</b>     | ---      | ---      |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |

| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m | 6          | <b>1</b>     | ---      | ---      |
| Barium     | ppm | ASTM D5185m | 0          | <b>0</b>     | ---      | ---      |
| Molybdenum | ppm | ASTM D5185m | 0          | <b>&lt;1</b> | ---      | ---      |
| Manganese  | ppm | ASTM D5185m |            | <b>3</b>     | ---      | ---      |
| Magnesium  | ppm | ASTM D5185m | 145        | <b>99</b>    | ---      | ---      |
| Calcium    | ppm | ASTM D5185m | 3570       | <b>3432</b>  | ---      | ---      |
| Phosphorus | ppm | ASTM D5185m | 1290       | <b>877</b>   | ---      | ---      |
| Zinc       | ppm | ASTM D5185m | 1640       | <b>1230</b>  | ---      | ---      |
| Sulfur     | ppm | ASTM D5185m |            | <b>3310</b>  | ---      | ---      |

| CONTAMINANTS |     | method      | limit/base | current   | history1 | history2 |
|--------------|-----|-------------|------------|-----------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >75        | <b>12</b> | ---      | ---      |
| Sodium       | ppm | ASTM D5185m | >51        | <b>0</b>  | ---      | ---      |
| Potassium    | ppm | ASTM D5185m | >20        | <b>7</b>  | ---      | ---      |

| VISUAL           |        | method  | limit/base | current      | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal      | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Yellow Metal     | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Precipitate      | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Silt             | scalar | *Visual | NONE       | <b>NONE</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>   | ---      | ---      |
| Free Water       | scalar | *Visual |            | <b>NEG</b>   | ---      | ---      |

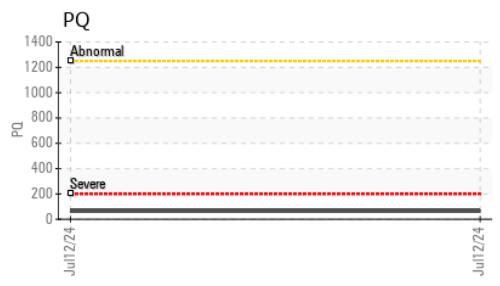
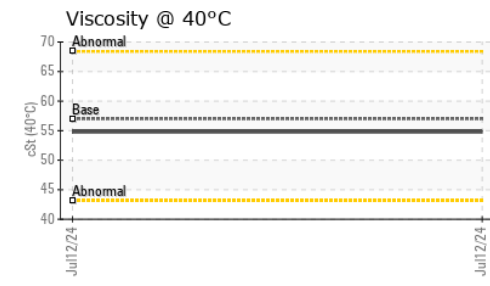
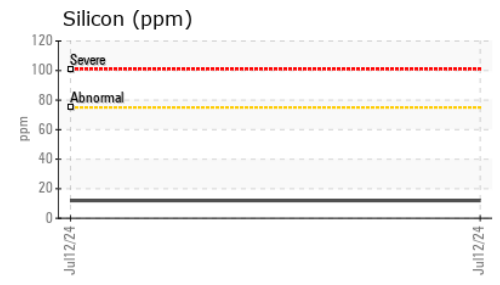
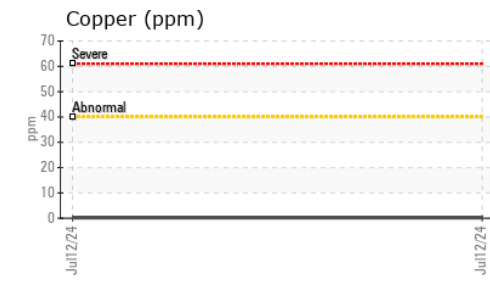
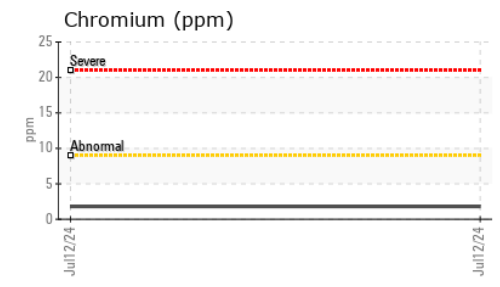
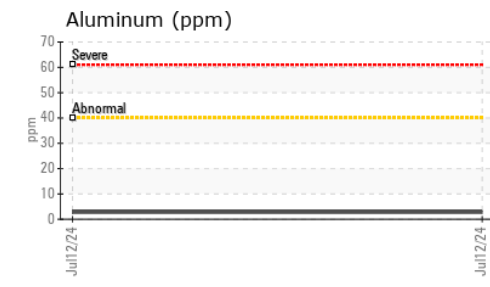
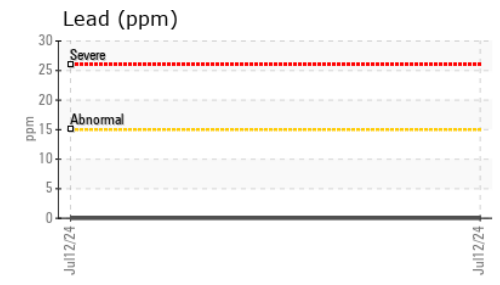
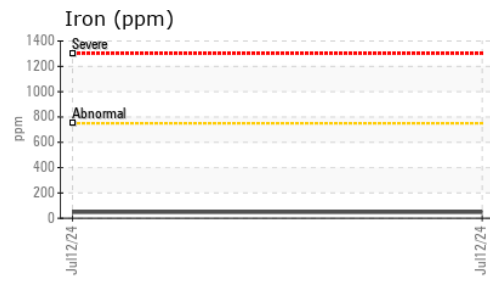
# OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base | current | history1    | history2 |     |
|------------------|--------|------------|---------|-------------|----------|-----|
| Visc @ 40°C      | cSt    | ASTM D445  | 57.0    | <b>54.8</b> | ---      | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color         |        |            |         | no image | no image |
| Bottom        |        |            |         | no image | no image |

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197048      **Received** : 16 Jul 2024  
**Lab Number** : **06238076**      **Tested** : 17 Jul 2024  
**Unique Number** : 11126910      **Diagnosed** : 17 Jul 2024 - Wes Davis  
**Test Package** : MOBCE ( Additional Tests: PQ )

**NC FOREST SERVICE**  
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 FAYETTEVILLE, NC  
 US 28306  
 Contact: WALTER CAPPS  
 WATER.CAPPS@NCAGR.GOV  
 T:  
 F:

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)