



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

Machine Id  
**JOHN DEERE 624L 1DW624LZCLF706869**

Component  
**Hydraulic System**

Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>JR0217969</b>   | JR0192486   | JR0182086   |
| Sample Date    |     | Client Info |           | <b>21 May 2024</b> | 16 Nov 2023 | 26 Jul 2023 |
| Machine Age    | hrs | Client Info |           | <b>5762</b>        | 5245        | 4731        |
| Oil Age        | hrs | Client Info |           | <b>4331</b>        | 4328        | 1000        |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 1000        |
| Oil Changed    |     | Client Info |           | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   |
| Filter Changed |     | Client Info |           | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   |
| Sample Status  |     |             |           | <b>NORMAL</b>      | ABNORMAL    | NORMAL      |

### WEAR

All component wear rates are normal.

| PQ           | UOM    | Method      | Limit/Abn | Current     | History1 | History2 |
|--------------|--------|-------------|-----------|-------------|----------|----------|
| Iron         | ppm    | ASTM D5185m | >20       | <b>3</b>    | 4        | 4        |
| Chromium     | ppm    | ASTM D5185m | >10       | <b>5</b>    | 6        | 5        |
| Nickel       | ppm    | ASTM D5185m | >10       | <b>0</b>    | 0        | 0        |
| Titanium     | ppm    | ASTM D5185m |           | <b>0</b>    | 0        | <1       |
| Silver       | ppm    | ASTM D5185m |           | <b>0</b>    | 0        | 0        |
| Aluminum     | ppm    | ASTM D5185m | >10       | <b>0</b>    | <1       | <1       |
| Lead         | ppm    | ASTM D5185m | >10       | <b>0</b>    | 0        | 0        |
| Copper       | ppm    | ASTM D5185m | >75       | <b>0</b>    | <1       | <1       |
| Tin          | ppm    | ASTM D5185m | >10       | <b>0</b>    | 0        | 0        |
| Vanadium     | ppm    | ASTM D5185m |           | <b>0</b>    | <1       | <1       |
| White Metal  | scalar | *Visual     | NONE      | <b>NONE</b> | NONE     | LIGHT    |
| Yellow Metal | scalar | *Visual     | NONE      | <b>NONE</b> | NONE     | NONE     |

### CONTAMINATION

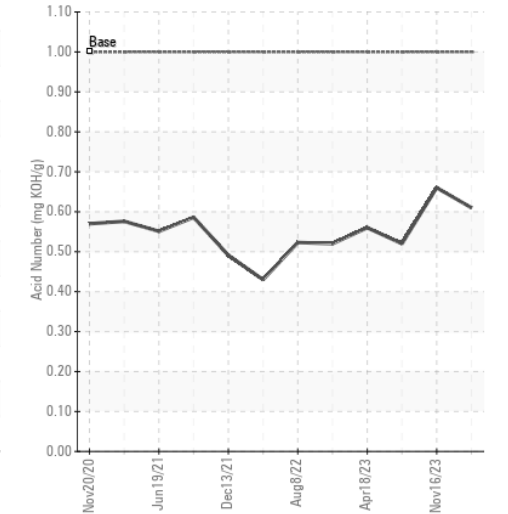
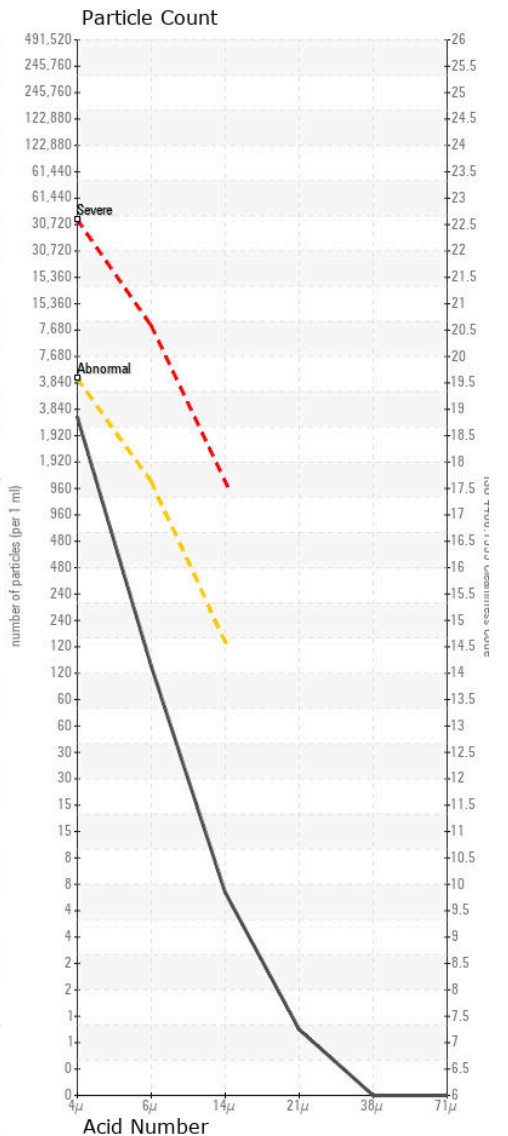
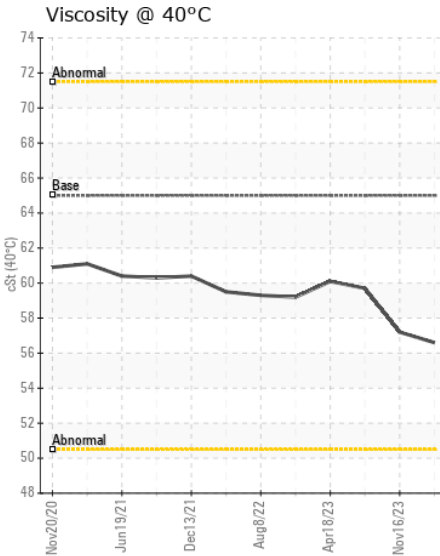
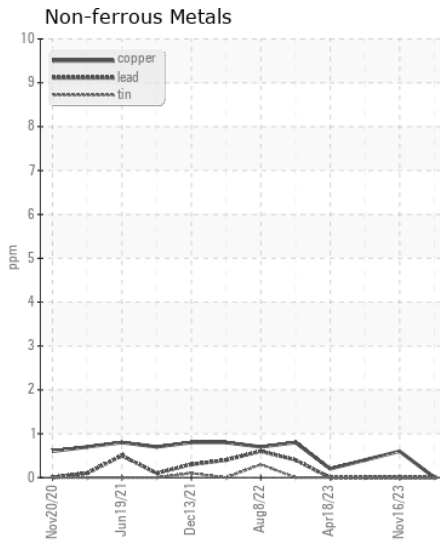
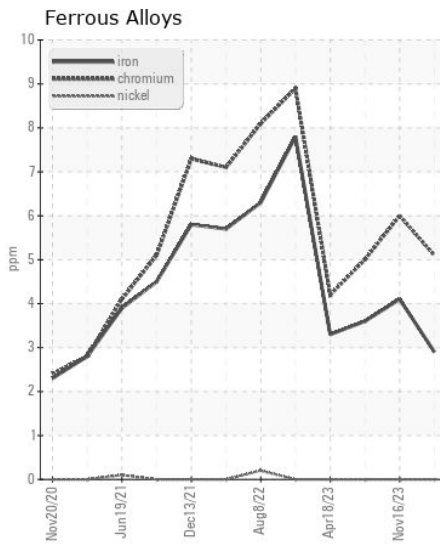
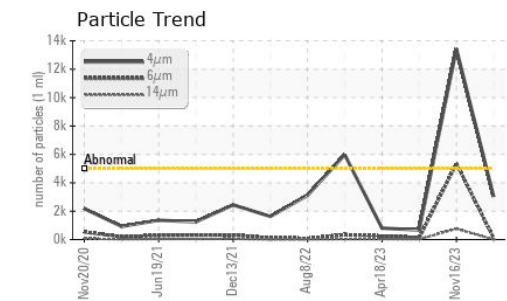
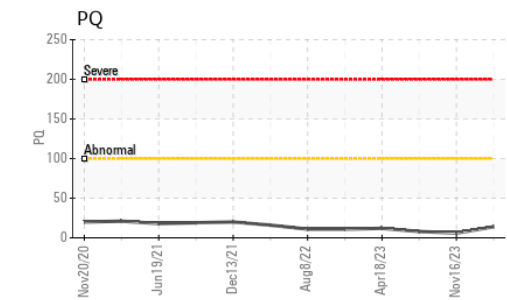
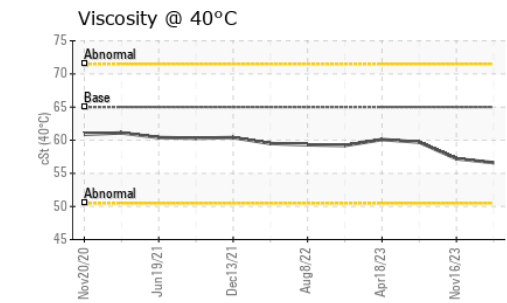
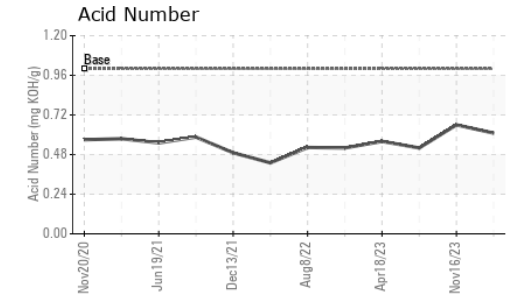
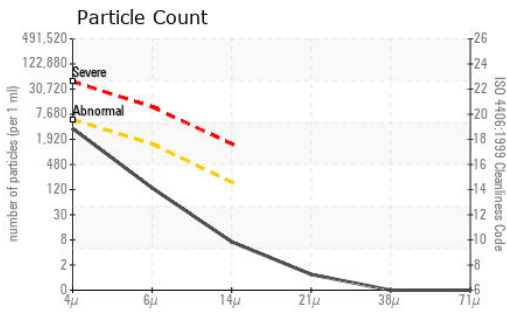
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

|                  |        |              |           |                 |            |          |
|------------------|--------|--------------|-----------|-----------------|------------|----------|
| Silicon          | ppm    | ASTM D5185m  | >20       | <b>2</b>        | 2          | <1       |
| Potassium        | ppm    | ASTM D5185m  | >20       | <b>2</b>        | <1         | 2        |
| Water            |        | WC Method    | >0.1      | <b>NEG</b>      | NEG        | NEG      |
| Particles >4µm   |        | ASTM D7647   | >5000     | <b>3032</b>     | ▲ 13428    | 668      |
| Particles >6µm   |        | ASTM D7647   | >1300     | <b>116</b>      | ▲ 5353     | 137      |
| Particles >14µm  |        | ASTM D7647   | >160      | <b>6</b>        | ▲ 764      | 16       |
| Particles >21µm  |        | ASTM D7647   | >40       | <b>1</b>        | ▲ 218      | 6        |
| Particles >38µm  |        | ASTM D7647   | >10       | <b>0</b>        | 6          | 1        |
| Particles >71µm  |        | ASTM D7647   | >3        | <b>0</b>        | 0          | 1        |
| Oil Cleanliness  |        | ISO 4406 (c) | >19/17/14 | <b>19/14/10</b> | ▲ 21/20/17 | 17/14/11 |
| 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      | >0.1      | <b>NEG</b>      | NEG        | NEG      |

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

|                  |          |             |      |              |      |      |
|------------------|----------|-------------|------|--------------|------|------|
| Sodium           | ppm      | ASTM D5185m |      | <b>2</b>     | 2    | 3    |
| Boron            | ppm      | ASTM D5185m |      | <b>0</b>     | 0    | 0    |
| Barium           | ppm      | ASTM D5185m |      | <b>0</b>     | 0    | 0    |
| Molybdenum       | ppm      | ASTM D5185m |      | <b>0</b>     | <1   | <1   |
| Manganese        | ppm      | ASTM D5185m |      | <b>&lt;1</b> | 0    | 0    |
| Magnesium        | ppm      | ASTM D5185m |      | <b>6</b>     | 0    | 2    |
| Calcium          | ppm      | ASTM D5185m | 87   | <b>451</b>   | 451  | 123  |
| Phosphorus       | ppm      | ASTM D5185m | 727  | <b>662</b>   | 686  | 632  |
| Zinc             | ppm      | ASTM D5185m | 900  | <b>825</b>   | 872  | 868  |
| Sulfur           | ppm      | ASTM D5185m | 1500 | <b>2036</b>  | 1813 | 1967 |
| Acid Number (AN) | mg KOH/g | ASTM D8045  | 1.0  | <b>0.61</b>  | 0.66 | 0.52 |
| Visc @ 40°C      | cSt      | ASTM D445   | 65   | <b>56.6</b>  | 57.2 | 59.7 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0217969 **Received** : 24 May 2024  
**Lab Number** : 06190953 **Tested** : 29 May 2024  
**Unique Number** : 11047705 **Diagnosed** : 29 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
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 US 20111

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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)