



# OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta**  
Machine Id  
**JOHN DEERE 1050K 1T01050PAHF314534**  
Component  
**Transmission (Manual)**  
Fluid  
**JOHN DEERE HYDRAU (39 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number  |     | Client Info |           | <b>LEC0041698</b>  | LEC0005240  | ---      |
| Sample Date    |     | Client Info |           | <b>12 Jun 2023</b> | 29 Jul 2019 | ---      |
| Machine Age    | hrs | Client Info |           | <b>1491</b>        | 1463        | ---      |
| Oil Age        | hrs | Client Info |           | <b>1491</b>        | 0           | ---      |
| Filter Age     | hrs | Client Info |           | <b>1491</b>        | 0           | ---      |
| Oil Changed    |     | Client Info |           | <b>Not Changd</b>  | Not Changd  | ---      |
| Filter Changed |     | Client Info |           | <b>Not Changd</b>  | Not Changd  | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | ---      |

## WEAR

All component wear rates are normal.

|              |        |             |      |              |      |     |
|--------------|--------|-------------|------|--------------|------|-----|
| PQ           |        | ASTM D8184  | >95  | <b>18</b>    | 16   | --- |
| Iron         | ppm    | ASTM D5185m | >200 | <b>13</b>    | 12   | --- |
| Chromium     | ppm    | ASTM D5185m | >5   | <b>0</b>     | <1   | --- |
| Nickel       | ppm    | ASTM D5185m | >5   | <b>0</b>     | <1   | --- |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | --- |
| Silver       | ppm    | ASTM D5185m | >7   | <b>0</b>     | <1   | --- |
| Aluminum     | ppm    | ASTM D5185m | >25  | <b>&lt;1</b> | 0    | --- |
| Lead         | ppm    | ASTM D5185m | >45  | <b>2</b>     | 2    | --- |
| Copper       | ppm    | ASTM D5185m | >225 | <b>9</b>     | 9    | --- |
| Tin          | ppm    | ASTM D5185m | >10  | <b>0</b>     | 0    | --- |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | --- |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | --- |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | --- |

## CONTAMINATION

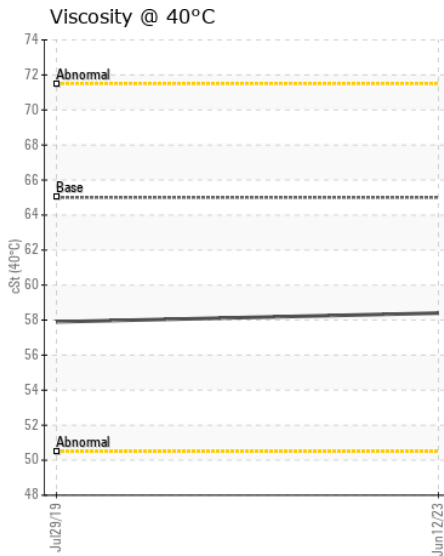
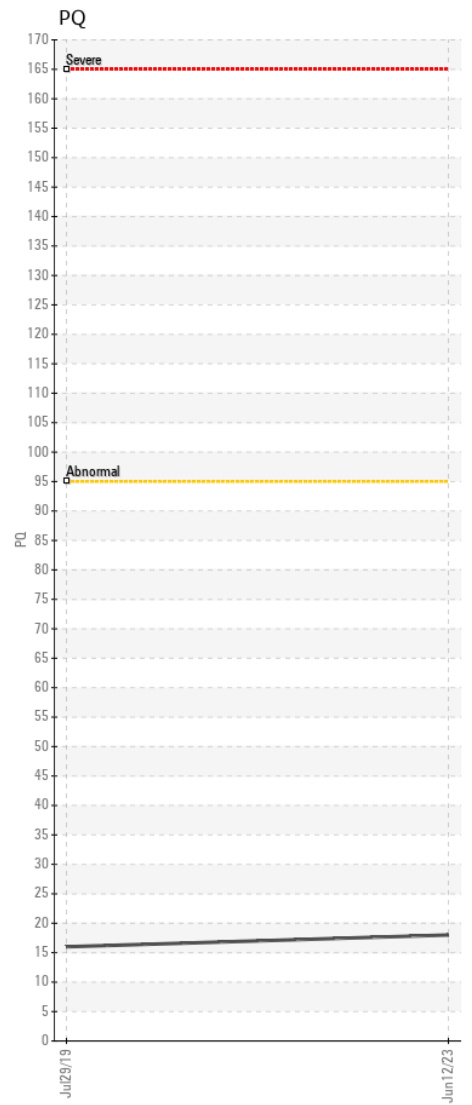
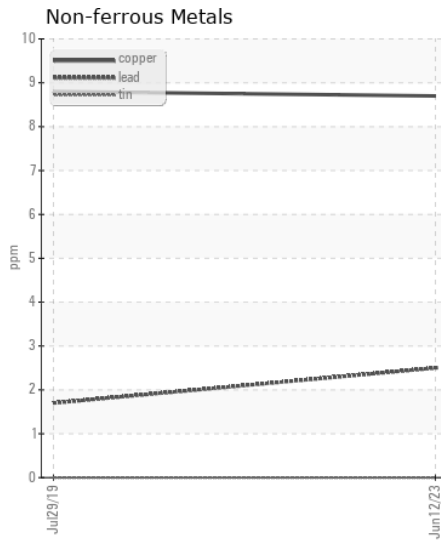
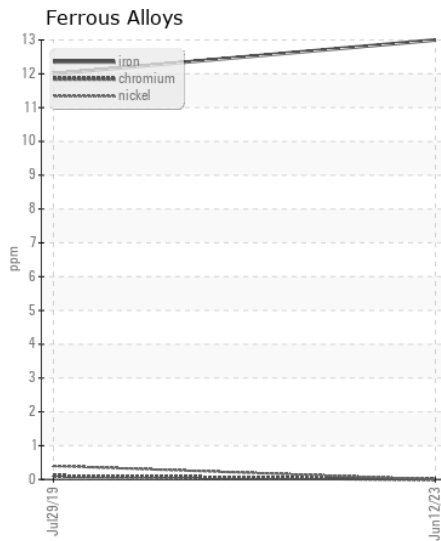
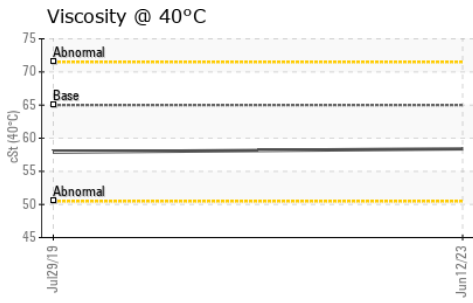
There is no indication of any contamination in the fluid.

|                  |        |             |       |              |       |     |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon          | ppm    | ASTM D5185m | >125  | <b>&lt;1</b> | <1    | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>3</b>     | 7     | --- |
| 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 fluid is suitable for further service.

|             |     |             |      |              |      |     |
|-------------|-----|-------------|------|--------------|------|-----|
| Sodium      | ppm | ASTM D5185m |      | <b>&lt;1</b> | 7    | --- |
| Boron       | ppm | ASTM D5185m |      | <b>0</b>     | 5    | --- |
| Barium      | ppm | ASTM D5185m |      | <b>0</b>     | 0    | --- |
| Molybdenum  | ppm | ASTM D5185m |      | <b>&lt;1</b> | <1   | --- |
| Manganese   | ppm | ASTM D5185m |      | <b>0</b>     | 2    | --- |
| Magnesium   | ppm | ASTM D5185m |      | <b>&lt;1</b> | 2    | --- |
| Calcium     | ppm | ASTM D5185m | 87   | <b>101</b>   | 85   | --- |
| Phosphorus  | ppm | ASTM D5185m | 727  | <b>631</b>   | 715  | --- |
| Zinc        | ppm | ASTM D5185m | 900  | <b>867</b>   | 807  | --- |
| Sulfur      | ppm | ASTM D5185m | 1500 | <b>1923</b>  | 1538 | --- |
| Visc @ 40°C | cSt | ASTM D445   | 65   | <b>58.4</b>  | 57.9 | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0041698 **Received** : 14 Jun 2023  
**Lab Number** : 05873386 **Tested** : 15 Jun 2023  
**Unique Number** : 10513170 **Diagnosed** : 15 Jun 2023 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
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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)

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