



|                 |        |
|-----------------|--------|
| WEAR            | NORMAL |
| CONTAMINATION   | SEVERE |
| FLUID CONDITION | NORMAL |

Machine Id  
**JOHN DEERE 544 P 1DW544PAVMLZ13194**

Component  
**Brake**

Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

We advise that you check for the source of water entry. The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

### WEAR

All component wear rates are normal.

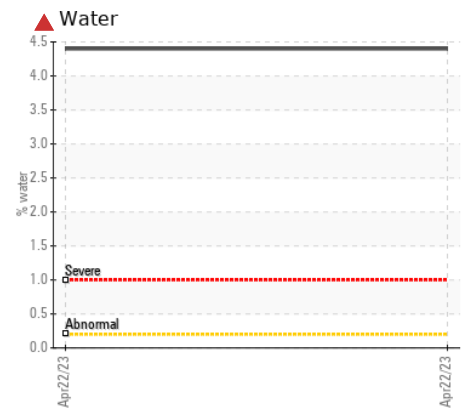
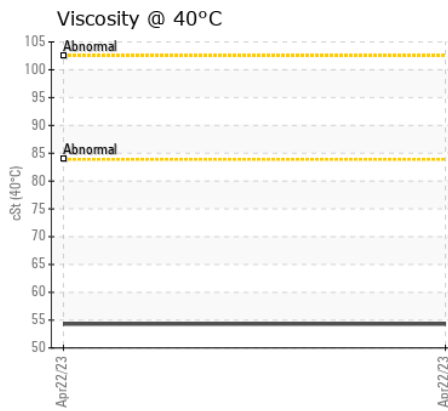
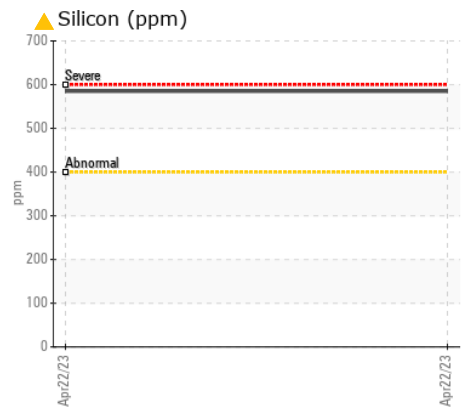
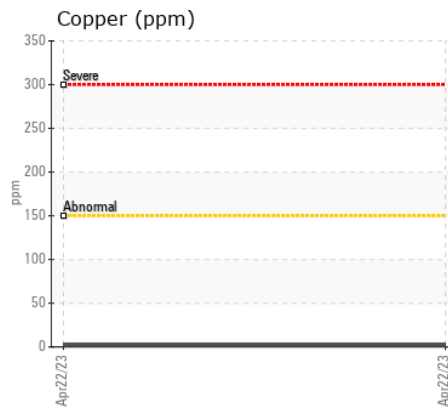
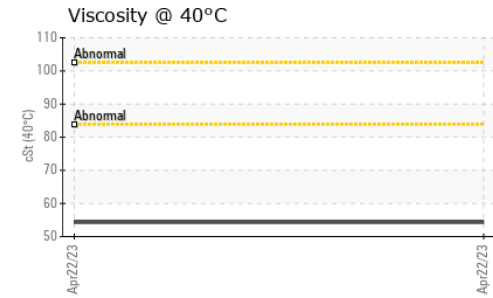
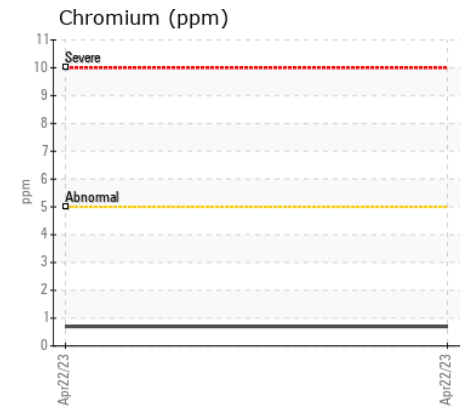
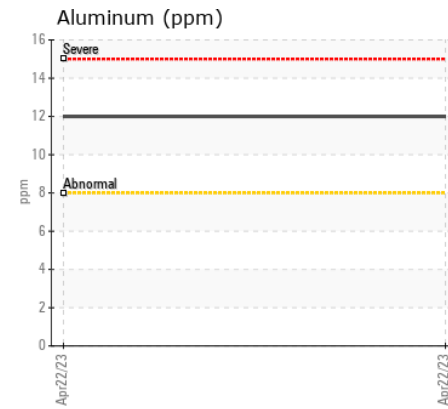
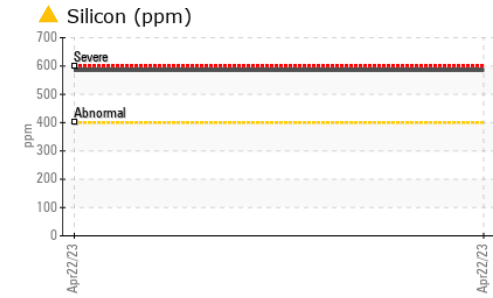
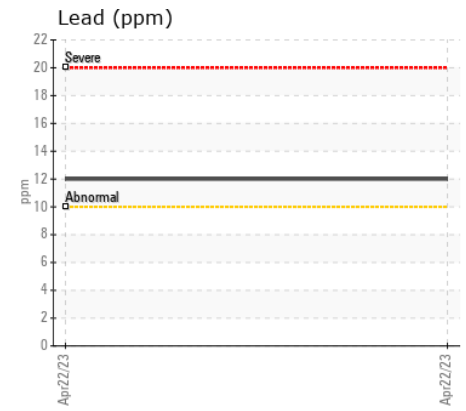
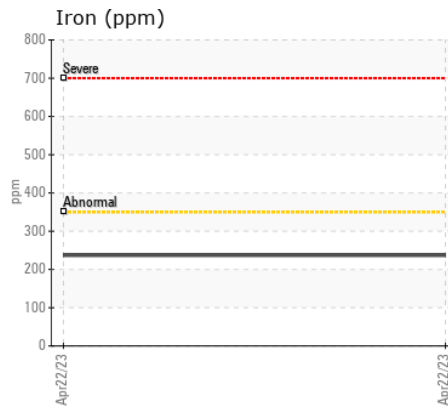
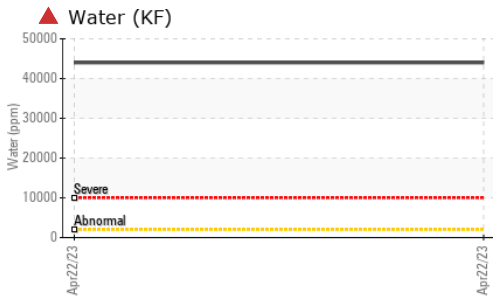
### CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a high concentration of water present in the fluid.

### FLUID CONDITION

The fluid is no longer serviceable due to the presence of contaminants.

| Test             | UOM    | Method      | Limit/Abn | Current     | History1 | History2 |
|------------------|--------|-------------|-----------|-------------|----------|----------|
| Sample Number    |        | Client Info |           | JR0012449   | ---      | ---      |
| Sample Date      |        | Client Info |           | 22 Apr 2023 | ---      | ---      |
| Machine Age      | hrs    | Client Info |           | 3028        | ---      | ---      |
| Oil Age          | hrs    | Client Info |           | 3028        | ---      | ---      |
| Filter Age       | hrs    | Client Info |           | 0           | ---      | ---      |
| Oil Changed      |        | Client Info |           | Changed     | ---      | ---      |
| Filter Changed   |        | Client Info |           | N/A         | ---      | ---      |
| Sample Status    |        |             |           | SEVERE      | ---      | ---      |
| PQ               |        | ASTM D8184  |           | 132         | ---      | ---      |
| Iron             | ppm    | ASTM D5185m | >350      | 237         | ---      | ---      |
| Chromium         | ppm    | ASTM D5185m | >5        | <1          | ---      | ---      |
| Nickel           | ppm    | ASTM D5185m | >5        | <1          | ---      | ---      |
| Titanium         | ppm    | ASTM D5185m |           | 13          | ---      | ---      |
| Silver           | ppm    | ASTM D5185m |           | 0           | ---      | ---      |
| Aluminum         | ppm    | ASTM D5185m | >8        | 12          | ---      | ---      |
| Lead             | ppm    | ASTM D5185m | >10       | 12          | ---      | ---      |
| Copper           | ppm    | ASTM D5185m | >150      | 2           | ---      | ---      |
| Tin              | ppm    | ASTM D5185m | >5        | <1          | ---      | ---      |
| Vanadium         | ppm    | ASTM D5185m |           | 0           | ---      | ---      |
| White Metal      | scalar | *Visual     | NONE      | NONE        | ---      | ---      |
| Yellow Metal     | scalar | *Visual     | NONE      | NONE        | ---      | ---      |
| Silicon          | ppm    | ASTM D5185m | >400      | ▲ 585       | ---      | ---      |
| Potassium        | ppm    | ASTM D5185m | >20       | 20          | ---      | ---      |
| Water            | %      | ASTM D6304  | >0.2      | ▲ 4.40      | ---      | ---      |
| ppm Water        | ppm    | ASTM D6304  | >2000     | ▲ 44000     | ---      | ---      |
| Silt             | scalar | *Visual     | NONE      | MODER       | ---      | ---      |
| Debris           | scalar | *Visual     | NONE      | NONE        | ---      | ---      |
| Sand/Dirt        | scalar | *Visual     | NONE      | NONE        | ---      | ---      |
| Appearance       | scalar | *Visual     | NORML     | ● MILKY     | ---      | ---      |
| Odor             | scalar | *Visual     | NORML     | NORML       | ---      | ---      |
| Emulsified Water | scalar | *Visual     | >0.2      | ▲ 0.2%      | ---      | ---      |
| Sodium           | ppm    | ASTM D5185m |           | 53          | ---      | ---      |
| Boron            | ppm    | ASTM D5185m |           | 104         | ---      | ---      |
| Barium           | ppm    | ASTM D5185m |           | 0           | ---      | ---      |
| Molybdenum       | ppm    | ASTM D5185m |           | 109         | ---      | ---      |
| Manganese        | ppm    | ASTM D5185m |           | 4           | ---      | ---      |
| Magnesium        | ppm    | ASTM D5185m |           | 328         | ---      | ---      |
| Calcium          | ppm    | ASTM D5185m |           | 785         | ---      | ---      |
| Phosphorus       | ppm    | ASTM D5185m |           | 554         | ---      | ---      |
| Zinc             | ppm    | ASTM D5185m |           | 426         | ---      | ---      |
| Sulfur           | ppm    | ASTM D5185m |           | 2424        | ---      | ---      |
| Visc @ 40°C      | cSt    | ASTM D445   |           | 54.3        | ---      | ---      |



Certificate L2367

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

**Sample No.** : JR0012449

**Lab Number** : 05829188

**Unique Number** : 10442681

**Test Package** : MOBCE ( Additional Tests: KF, PQ )

**Received** : 25 Apr 2023

**Tested** : 26 Apr 2023

**Diagnosed** : 27 Apr 2023 - Don Baldrige

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)

**JRE - GREENVILLE**

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