



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

Machine Id
JOHN DEERE 850L 1T0850LXJMF395619

Component
Right Inner Final Drive

Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0212971 | JR0173469 | JR0153082 |
| Sample Date | | Client Info | | 15 Apr 2024 | 23 Aug 2023 | 08 Nov 2022 |
| Machine Age | hrs | Client Info | | 2542 | 2542 | 1954 |
| Oil Age | hrs | Client Info | | 1954 | 588 | 1954 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Changed |
| Filter Changed | | Client Info | | None | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|------|
| PQ | | ASTM D8184 | >1250 | 32 | 30 | 24 |
| Iron | ppm | ASTM D5185m | >750 | 34 | 31 | 24 |
| Chromium | ppm | ASTM D5185m | >9 | 1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 1 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >15 | 2 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >40 | <1 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >10 | 1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

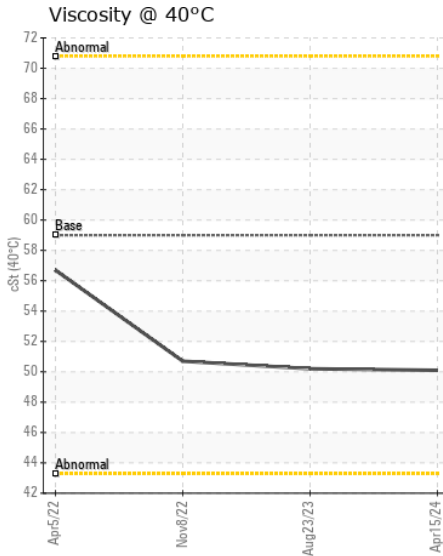
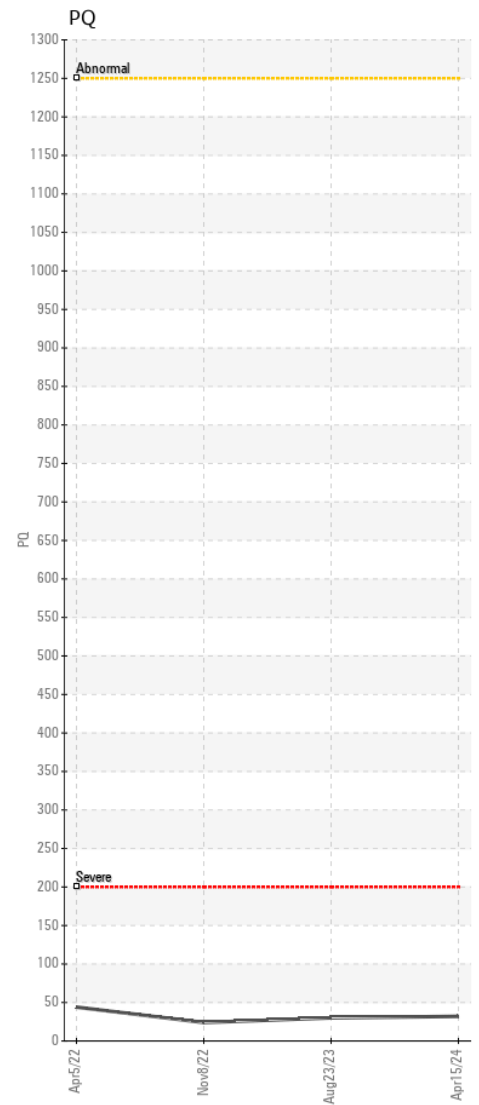
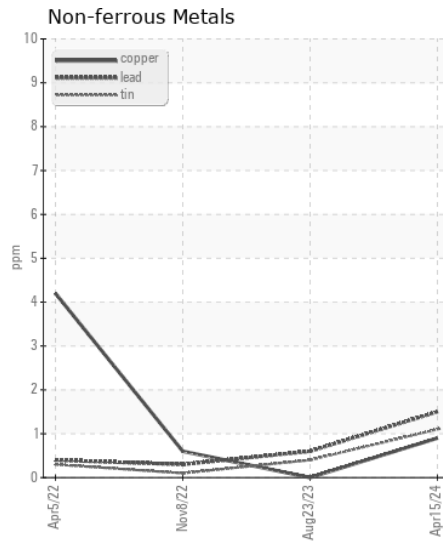
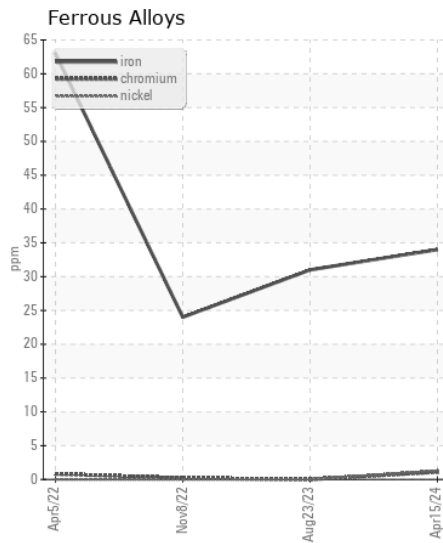
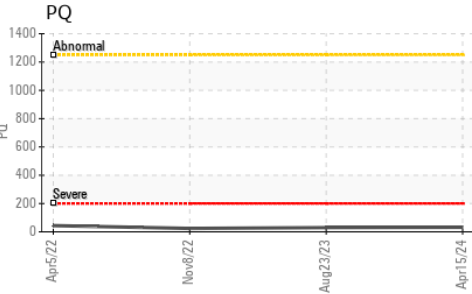
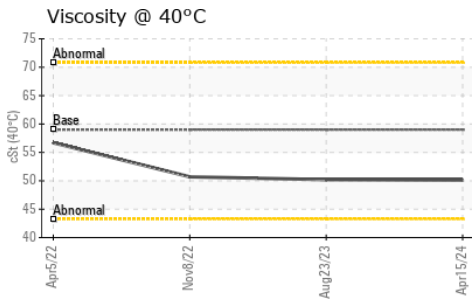
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 6 | 5 | 4 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 0 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.075 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|-------------|------|------|
| Sodium | ppm | ASTM D5185m | >51 | 0 | 1 | <1 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 2 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 2 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 93 | 105 | 97 |
| Calcium | ppm | ASTM D5185m | | 3386 | 3643 | 3443 |
| Phosphorus | ppm | ASTM D5185m | | 1109 | 1061 | 979 |
| Zinc | ppm | ASTM D5185m | | 1180 | 1242 | 1201 |
| Sulfur | ppm | ASTM D5185m | | 4049 | 4223 | 3649 |
| Visc @ 40°C | cSt | ASTM D445 | 59 | 50.1 | 50.2 | 50.7 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212971 **Received** : 17 Apr 2024
Lab Number : 06152304 **Tested** : 18 Apr 2024
Unique Number : 10982382 **Diagnosed** : 22 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

Contact: RALEIGH SHOP
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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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