



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

Machine Id
JOHN DEERE 944K M02-0912 1DW944KXCLF703065

Component
Rear Left Final Drive

Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. NOTE: one of two samples received with same ID.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0164746 | JR0165943 | JR0166030 |
| Sample Date | | Client Info | | 12 Apr 2024 | 05 Feb 2024 | 21 Nov 2023 |
| Machine Age | hrs | Client Info | | 4573 | 4045 | 3868 |
| Oil Age | hrs | Client Info | | 1000 | 2186 | 2186 |
| Filter Age | hrs | Client Info | | 1000 | 2186 | 2186 |
| Oil Changed | | Client Info | | Not Changd | Changed | N/A |
| Filter Changed | | Client Info | | N/A | Changed | N/A |
| Sample Status | | | | NORMAL | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|-------|-------|
| PQ | | ASTM D8184 | >1250 | 17 | 16 | 15 |
| Iron | ppm | ASTM D5185m | >750 | 6 | 13 | 12 |
| Chromium | ppm | ASTM D5185m | >9 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 0 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >15 | 0 | 2 | 2 |
| Copper | ppm | ASTM D5185m | >40 | 39 | ▲ 135 | ▲ 128 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

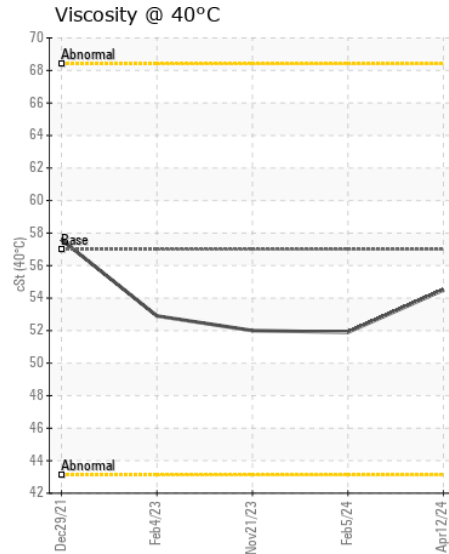
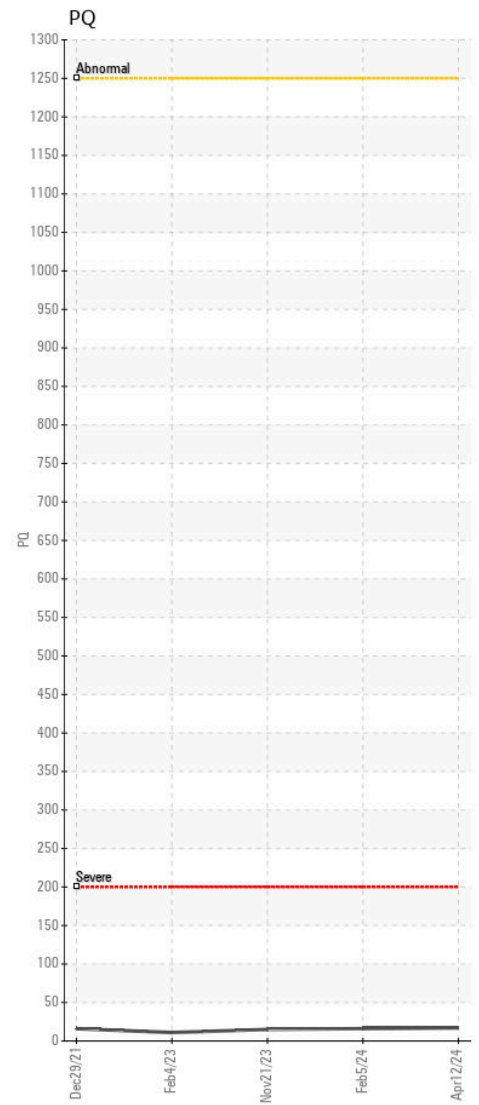
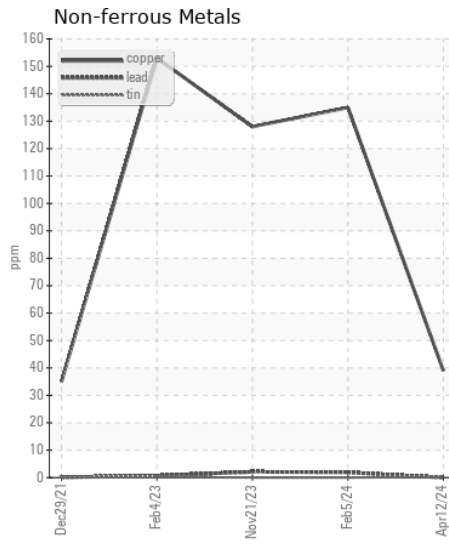
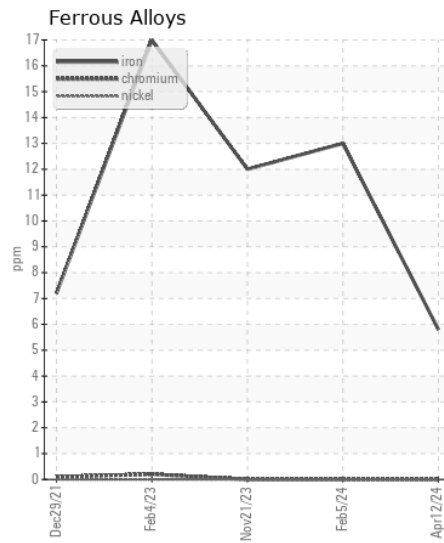
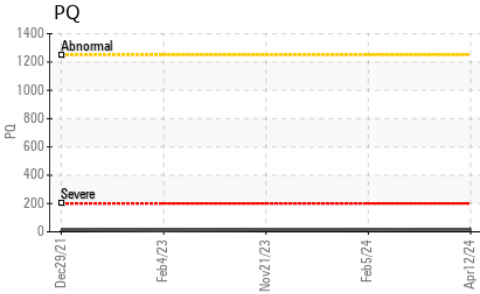
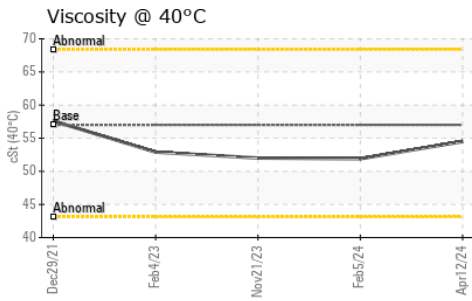
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 8 | 18 | 17 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | <1 | 2 |
| 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 | <1 | 2 | 2 |
| Boron | ppm | ASTM D5185m | 6 | 5 | <1 | <1 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 2 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 145 | 117 | 96 | 96 |
| Calcium | ppm | ASTM D5185m | 3570 | 3445 | 3190 | 3216 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1070 | 970 | 972 |
| Zinc | ppm | ASTM D5185m | 1640 | 1274 | 1172 | 1197 |
| Sulfur | ppm | ASTM D5185m | | 3968 | 3248 | 3289 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 54.5 | 51.9 | 52.0 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0164746 **Received** : 25 Apr 2024
Lab Number : 06160637 **Tested** : 07 May 2024
Unique Number : 10996060 **Diagnosed** : 07 May 2024 - Doug Bogart
Test Package : CONST (Additional Tests: PQ)

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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