



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



Machine Id
JOHN DEERE 755K 1T0755KXCMF404735
 Component
Left Inner Final Drive
 Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (14 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0199467 | JR0190033 | JR0154248 |
| Sample Date | | Client Info | | 08 Feb 2024 | 23 Oct 2023 | 29 Dec 2022 |
| Machine Age | hrs | Client Info | | 2929 | 2460 | 1515 |
| Oil Age | hrs | Client Info | | 1000 | 1913 | 1515 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | N/A | Not Changd |
| Filter Changed | | Client Info | | Changed | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|------|
| PQ | | ASTM D8184 | >1250 | 16 | 20 | 15 |
| Iron | ppm | ASTM D5185m | >750 | 37 | 29 | 31 |
| Chromium | ppm | ASTM D5185m | >9 | <1 | 0 | <1 |
| 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 | 1 | <1 | 1 |
| Lead | ppm | ASTM D5185m | >15 | 2 | 0 | 1 |
| Copper | ppm | ASTM D5185m | >40 | 3 | 2 | 2 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

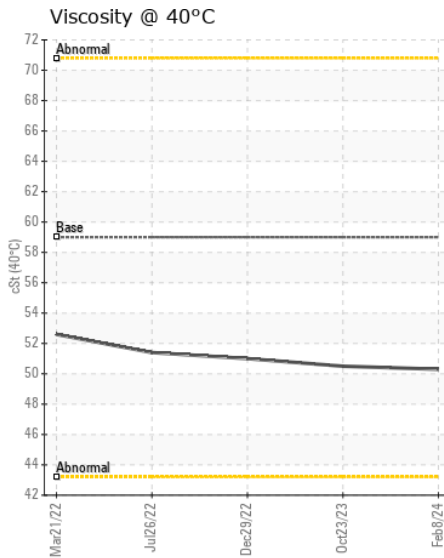
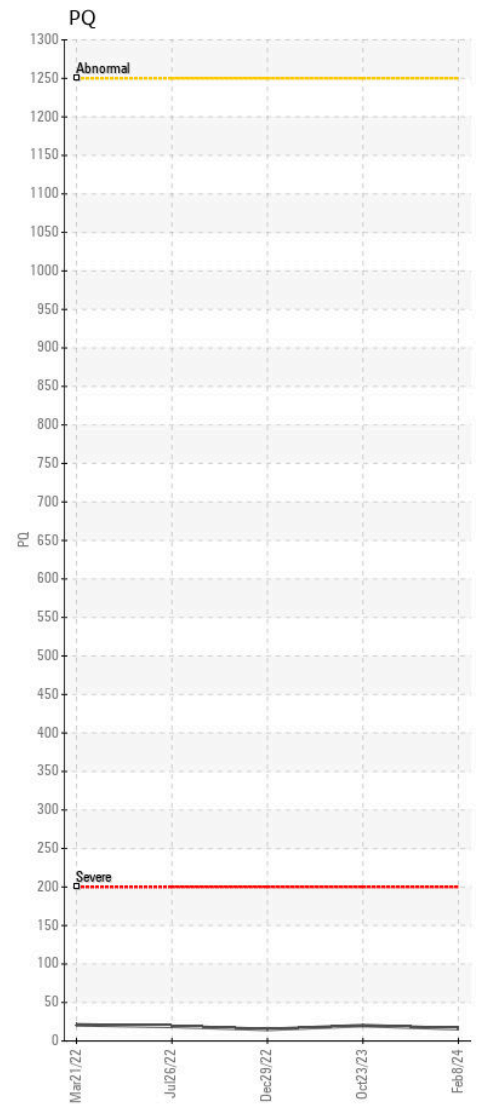
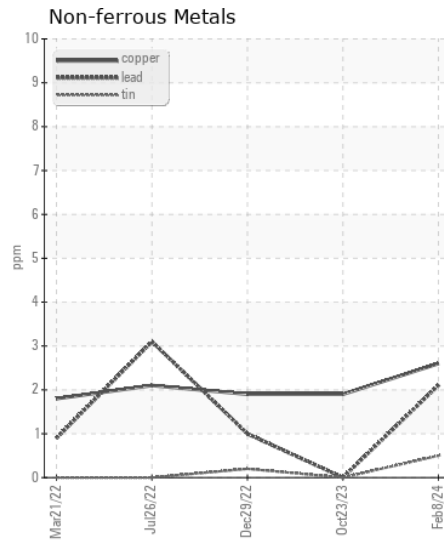
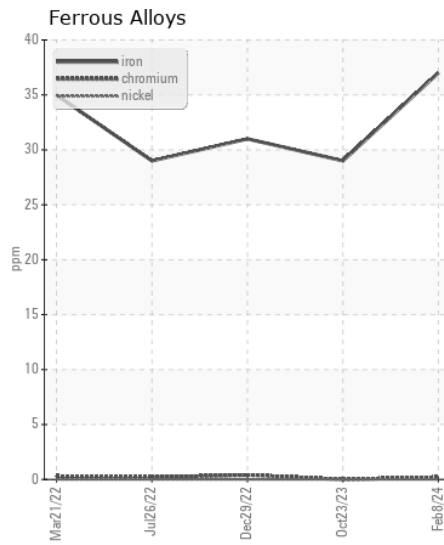
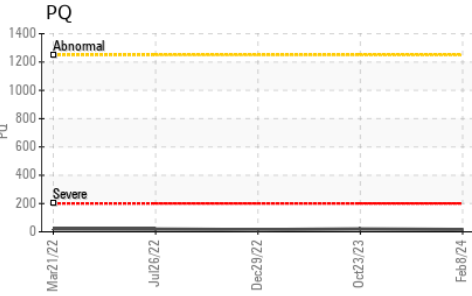
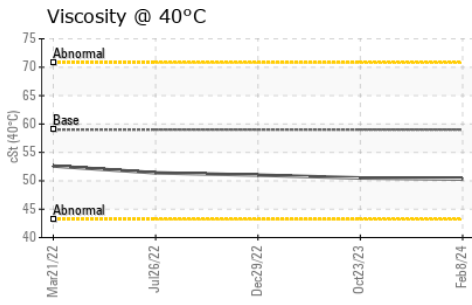
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 5 | 5 | 4 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 0 | <1 |
| 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 | 5 | 5 | 5 |
| Boron | ppm | ASTM D5185m | | 3 | 1 | 4 |
| Barium | ppm | ASTM D5185m | | 3 | 3 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | 1 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 95 | 97 | 90 |
| Calcium | ppm | ASTM D5185m | | 3424 | 3301 | 3481 |
| Phosphorus | ppm | ASTM D5185m | | 1056 | 876 | 953 |
| Zinc | ppm | ASTM D5185m | | 1221 | 1192 | 1123 |
| Sulfur | ppm | ASTM D5185m | | 3733 | 3347 | 3709 |
| Visc @ 40°C | cSt | ASTM D445 | 59 | 50.3 | 50.5 | 51.0 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0199467
Lab Number : 06099409
Unique Number : 10897639
Test Package : CONST (Additional Tests: PQ)

Received : 23 Feb 2024
Tested : 26 Feb 2024
Diagnosed : 26 Feb 2024 - Wes Davis

TOTAL DEVELOPMENT SOLUTIONS LLC
 7805 PROGRESS CT
 GAINESVILLE, VA
 US 20155
 Contact: JOE SEALE

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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