



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



Machine Id
JOHN DEERE 755K 1T0755KXCMF404735

Component
Right Outer Final Drive

Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (20 QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

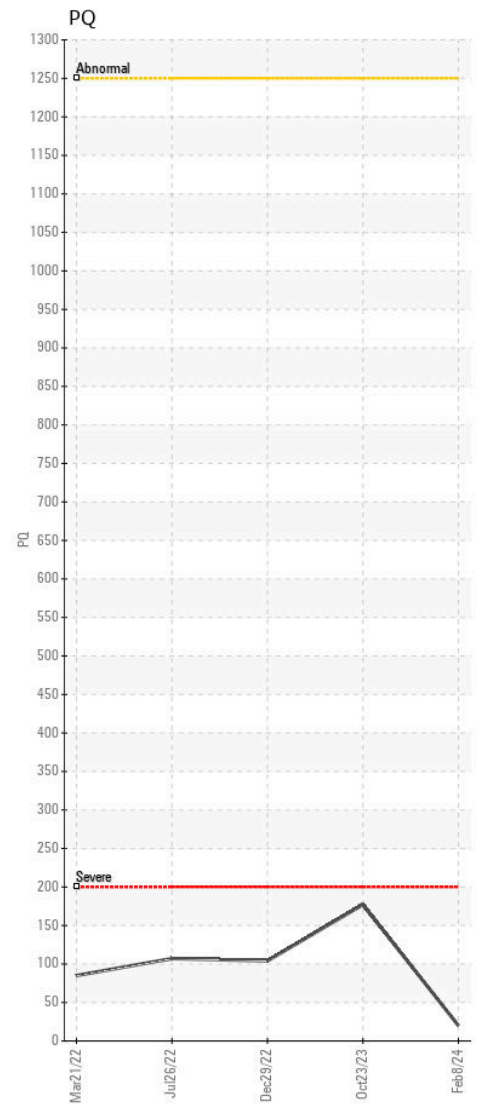
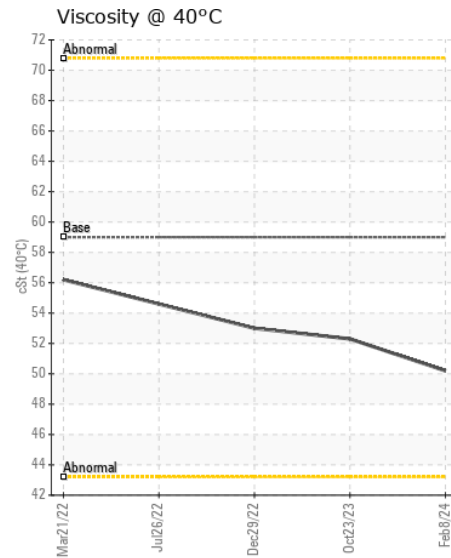
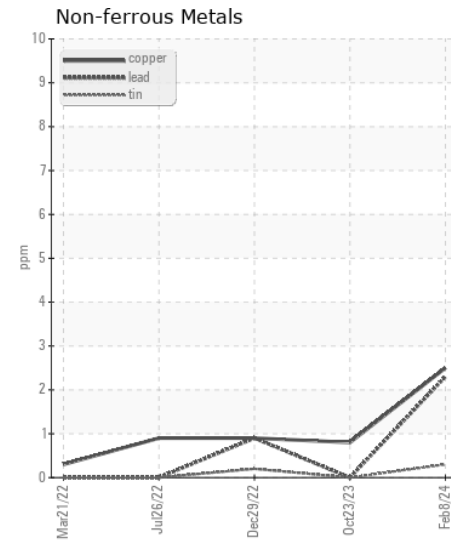
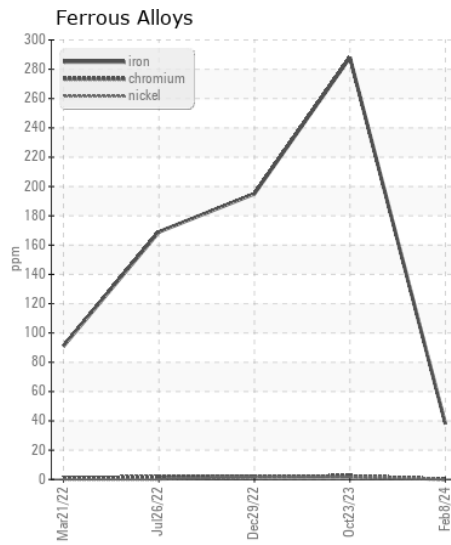
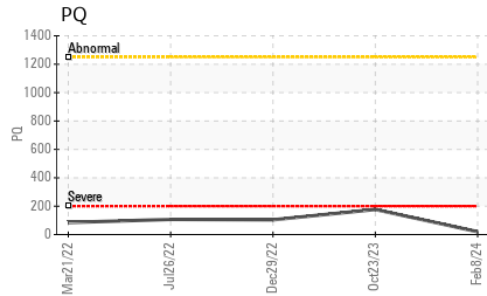
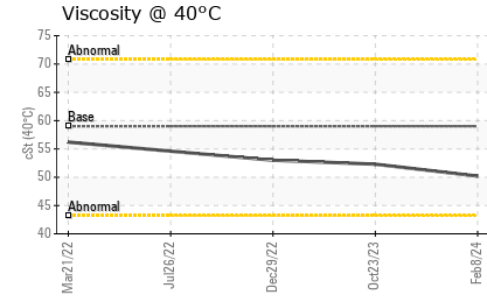
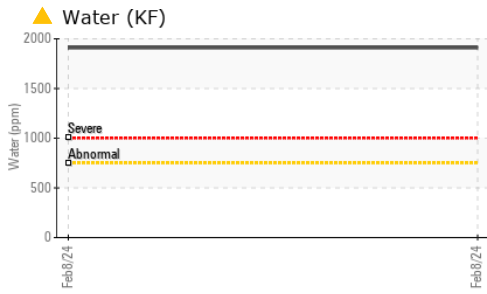
CONTAMINATION

There is a light concentration of water present in the oil.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0199466 | JR0190036 | JR0154249 |
| 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 | | | | ABNORMAL | NORMAL | NORMAL |
| PQ | | ASTM D8184 | >1250 | 20 | 177 | 104 |
| Iron | ppm | ASTM D5185m | >750 | 38 | 288 | 195 |
| Chromium | ppm | ASTM D5185m | >9 | <1 | 2 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 2 | 2 |
| Titanium | ppm | ASTM D5185m | | 0 | 2 | 1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 1 | 20 | 17 |
| Lead | ppm | ASTM D5185m | >15 | 2 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >40 | 2 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | MODER |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | 5 | 67 | 54 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 6 | 6 |
| Water | % | ASTM D6304 | >0.075 | ▲ 0.191 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >750 | ▲ 1910 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | LIGHT | 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 | 0.2% | NEG | NEG |
| Sodium | ppm | ASTM D5185m | >51 | 4 | 6 | 4 |
| Boron | ppm | ASTM D5185m | | 2 | 2 | 2 |
| Barium | ppm | ASTM D5185m | | 4 | 4 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | 1 | 4 | 3 |
| Magnesium | ppm | ASTM D5185m | | 93 | 115 | 101 |
| Calcium | ppm | ASTM D5185m | | 3277 | 3459 | 3640 |
| Phosphorus | ppm | ASTM D5185m | | 1008 | 911 | 964 |
| Zinc | ppm | ASTM D5185m | | 1158 | 1246 | 1163 |
| Sulfur | ppm | ASTM D5185m | | 3395 | 3553 | 3858 |
| Visc @ 40°C | cSt | ASTM D445 | 59 | 50.2 | 52.3 | 53.0 |



Certificate L2367

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

Sample No. : JR0199466

Lab Number : 06099410

Unique Number : 10897640

Test Package : CONST (Additional Tests: KF, PQ)

Received : 23 Feb 2024

Tested : 26 Feb 2024

Diagnosed : 27 Feb 2024 - Don Baldrige

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)

T: (571)220-7763

F: (703)753-4586