



Machine Id
JOHN DEERE 1T0750LXPLF387902
Component
Right Outer Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

An increase in the iron level is noted. All other component wear rates are normal.

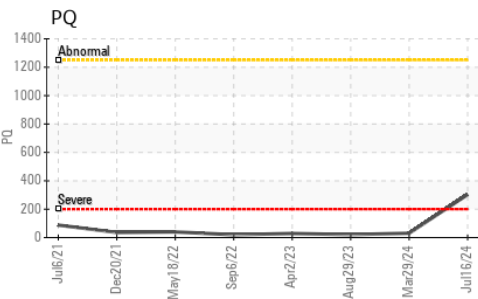
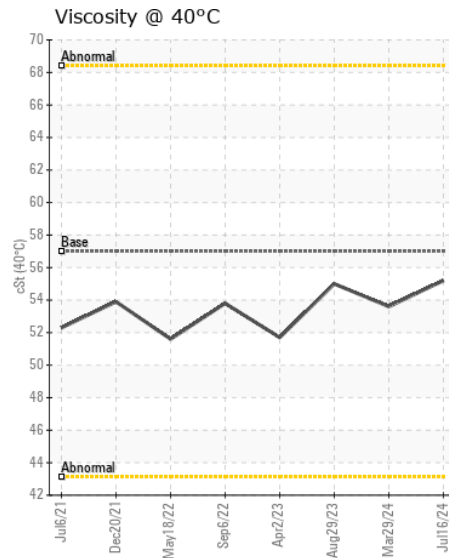
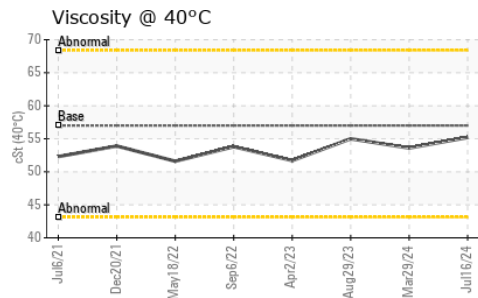
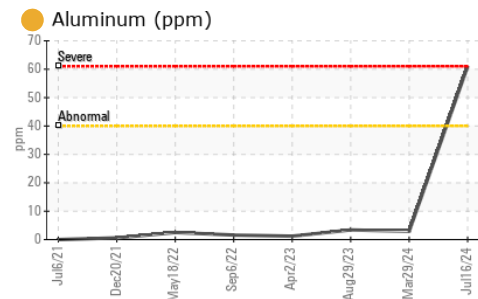
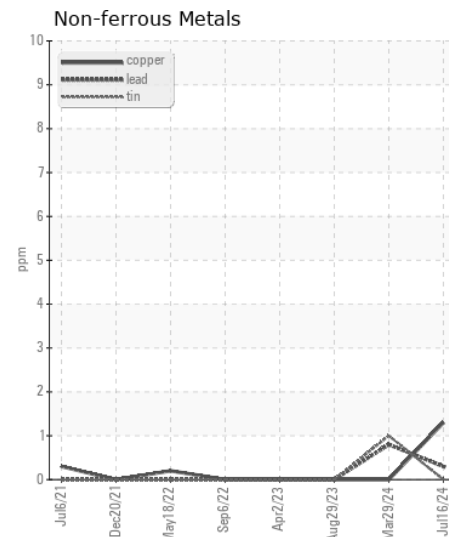
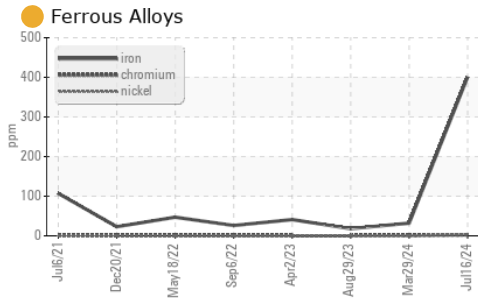
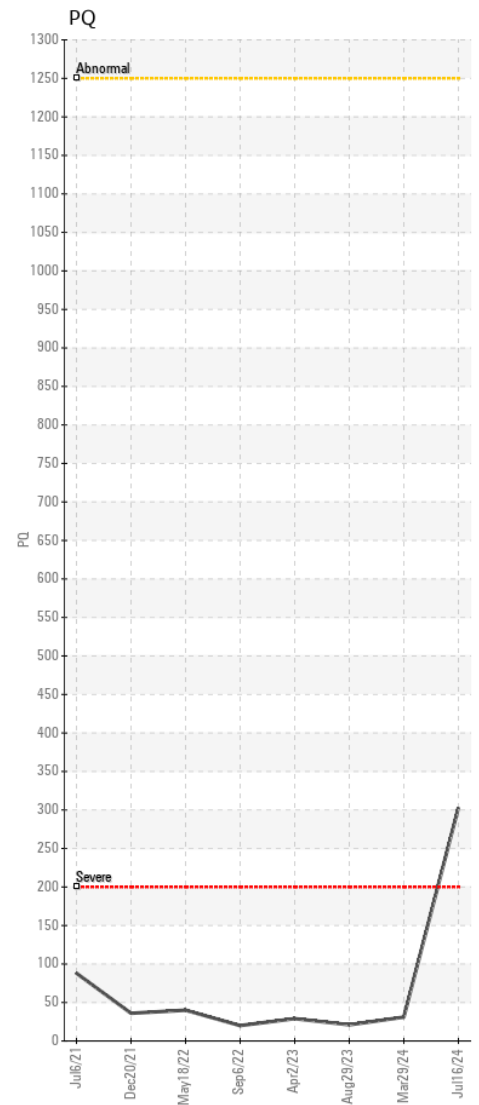
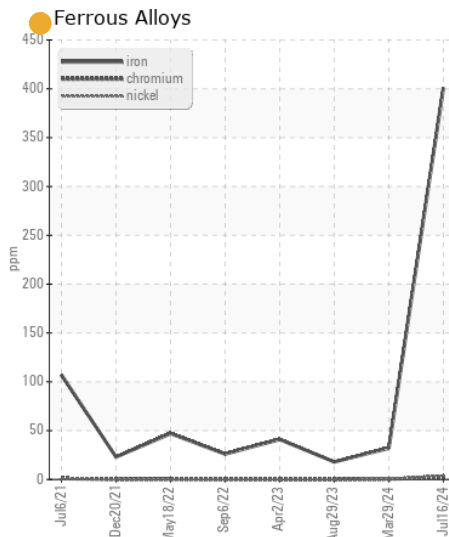
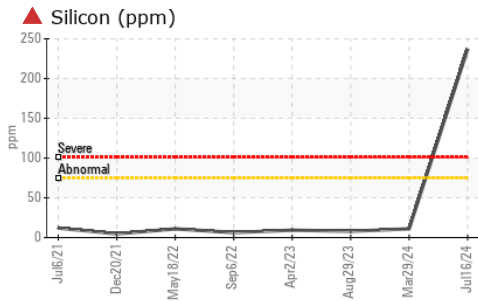
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0225574 | JR0211275 | JR0157744 |
| Sample Date | | Client Info | | 16 Jul 2024 | 29 Mar 2024 | 29 Aug 2023 |
| Machine Age | hrs | Client Info | | 4412 | 3923 | 3442 |
| Oil Age | hrs | Client Info | | 489 | 2451 | 500 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Filter Changed | | Client Info | | None | N/A | N/A |
| Sample Status | | | | SEVERE | NORMAL | NORMAL |
| PQ | | ASTM D8184 | >1250 | 303 | 31 | 21 |
| Iron | ppm | ASTM D5185m | >750 | 401 | 32 | 18 |
| Chromium | ppm | ASTM D5185m | >9 | 2 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | >10 | 4 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | 6 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 61 | 3 | 3 |
| Lead | ppm | ASTM D5185m | >15 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >40 | 1 | 0 | 0 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 1 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | 237 | 11 | 8 |
| Potassium | ppm | ASTM D5185m | >20 | 19 | 1 | <1 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | MODER | 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 |
| Sodium | ppm | ASTM D5185m | >51 | 5 | 2 | <1 |
| Boron | ppm | ASTM D5185m | 6 | 11 | 18 | 10 |
| Barium | ppm | ASTM D5185m | 0 | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 10 | 14 | 9 |
| Manganese | ppm | ASTM D5185m | | 4 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | 145 | 138 | 150 | 134 |
| Calcium | ppm | ASTM D5185m | 3570 | 3408 | 3369 | 3500 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 914 | 997 | 1012 |
| Zinc | ppm | ASTM D5185m | 1640 | 1236 | 1270 | 1279 |
| Sulfur | ppm | ASTM D5185m | | 3610 | 4263 | 4334 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 55.2 | 53.6 | 55.0 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225574 **Received** : 17 Jul 2024
Lab Number : 06239400 **Tested** : 18 Jul 2024
Unique Number : 11128234 **Diagnosed** : 19 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

CWS-STRITTMATTER
 9102 OWENS DR
 MANASSAS PARK, VA
 US 20111

Contact: EDDIE GARRETSON
 egarretson@strittmattercompanies.com

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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