



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

Machine Id
JOHN DEERE 850L 1T0850LXTMF392456

Component
Right Outer Final Drive

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

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.

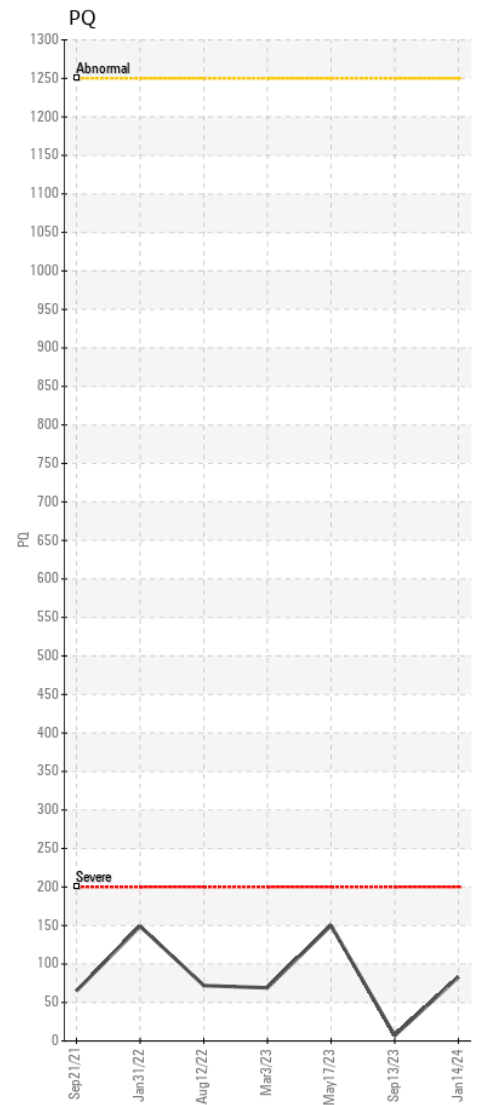
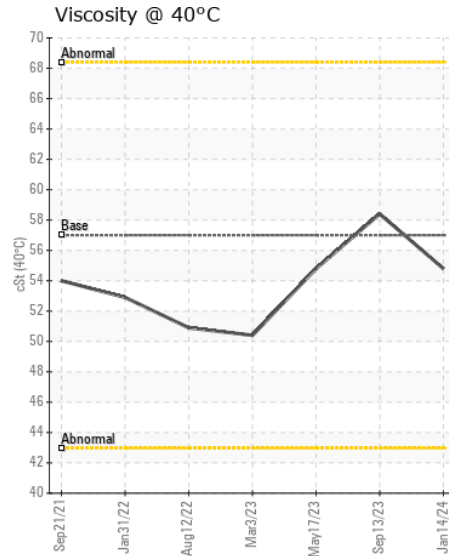
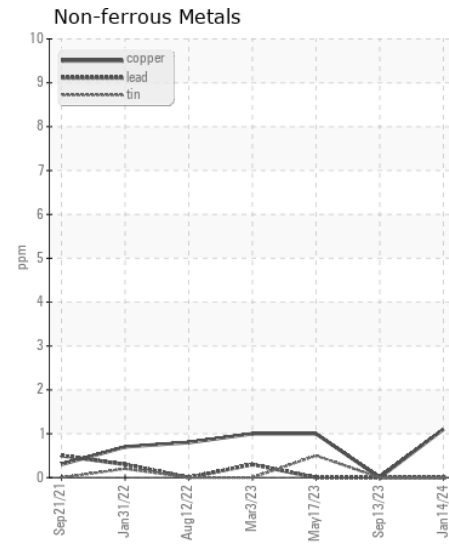
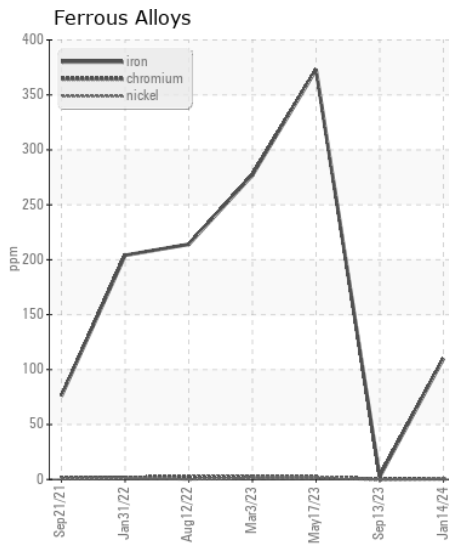
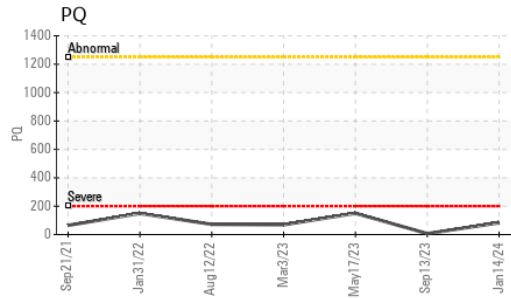
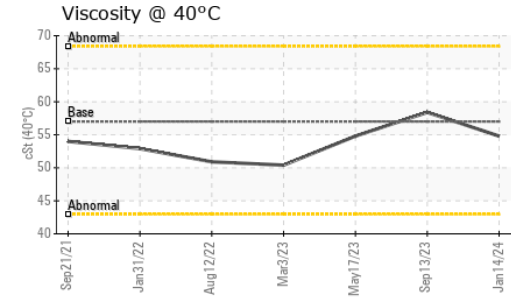
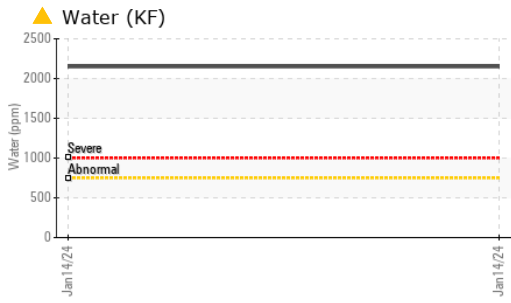
CONTAMINATION

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 | | JR0197597 | JR0186435 | JR0167631 |
| Sample Date | | Client Info | | 14 Jan 2024 | 13 Sep 2023 | 17 May 2023 |
| Machine Age | hrs | Client Info | | 4008 | 3601 | 3032 |
| Oil Age | hrs | Client Info | | 3439 | 569 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Changed |
| Filter Changed | | Client Info | | N/A | Not Changd | None |
| Sample Status | | | | ABNORMAL | NORMAL | ABNORMAL |
| PQ | | ASTM D8184 | >1250 | 83 | 7 | 150 |
| Iron | ppm | ASTM D5185m | >750 | 110 | 2 | 373 |
| Chromium | ppm | ASTM D5185m | >9 | <1 | <1 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | 2 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 2 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 9 | 5 | ▲ 40 |
| Lead | ppm | ASTM D5185m | >15 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >40 | 1 | 0 | 1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | 35 | 5 | ▲ 136 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 9 |
| Water | % | ASTM D6304 | >0.075 | ▲ 0.215 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >750 | ▲ 2150 | --- | --- |
| 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 | ▲ 0.2% | NEG | NEG |
| Sodium | ppm | ASTM D5185m | >51 | 0 | <1 | 7 |
| Boron | ppm | ASTM D5185m | 6 | 0 | 0 | 2 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | 2 | <1 | 4 |
| Magnesium | ppm | ASTM D5185m | 145 | 105 | 103 | 100 |
| Calcium | ppm | ASTM D5185m | 3570 | 3403 | 3387 | 3477 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1010 | 948 | 1004 |
| Zinc | ppm | ASTM D5185m | 1640 | 1231 | 1199 | 1238 |
| Sulfur | ppm | ASTM D5185m | | 3328 | 4005 | 4367 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 54.8 | 58.4 | 54.8 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197597 **Received** : 16 Jan 2024
Lab Number : 06061425 **Diagnosed** : 18 Jan 2024
Unique Number : 10832807 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: KF, PQ)

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

Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.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)

T: (919)614-2260
 F: (919)779-5432