



OIL ANALYSIS REPORT

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

Machine Id
JOHN DEERE 844P 1DW844PATPLX07402
 Component
Front Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WE0007890 | WE0006951 | WE0006249 |
| Sample Date | | Client Info | | 10 Jul 2024 | 25 Apr 2024 | 27 Jan 2024 |
| Machine Age | hrs | Client Info | | 1959 | 1489 | 1022 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | N/A |
| Filter Changed | | Client Info | | Changed | Not Changd | Changed |
| Sample Status | | | | ABNORMAL | ABNORMAL | NORMAL |

WEAR

Bearing and/or bushing wear is indicated.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 152 | 200 | 282 |
| Iron | ppm | ASTM D5185m | >500 | 481 | 405 | 332 |
| Chromium | ppm | ASTM D5185m | >10 | 3 | 2 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 2 | 2 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 2 | 1 |
| Lead | ppm | ASTM D5185m | >25 | 8 | 6 | 2 |
| Copper | ppm | ASTM D5185m | >100 | ▲ 146 | ▲ 102 | 44 |
| Tin | ppm | ASTM D5185m | >10 | 2 | 3 | 2 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

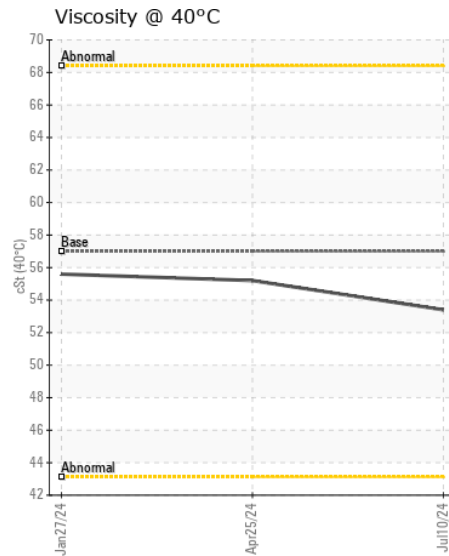
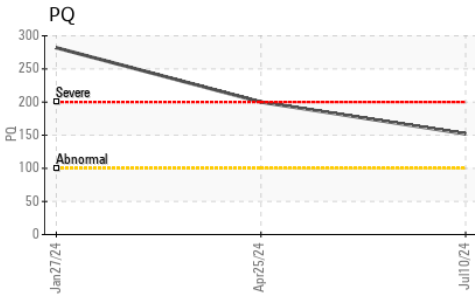
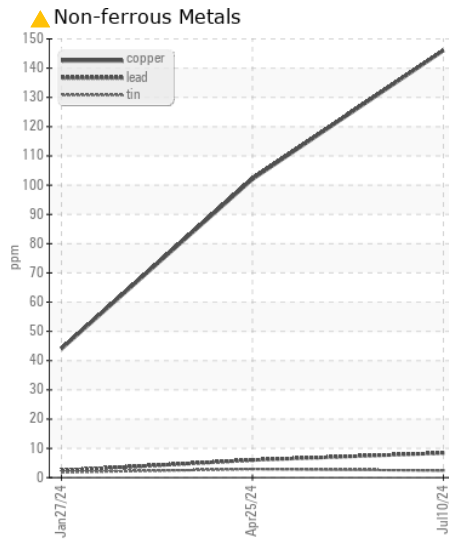
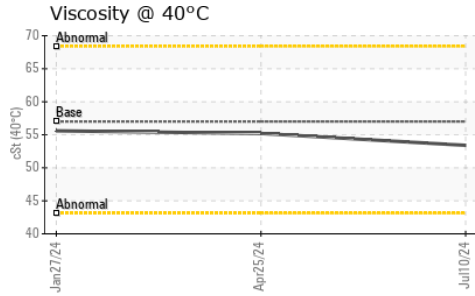
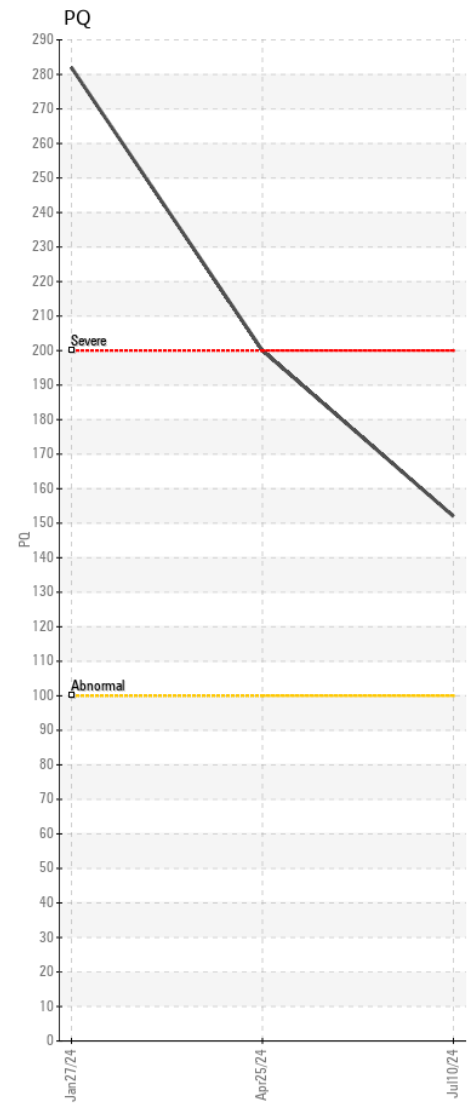
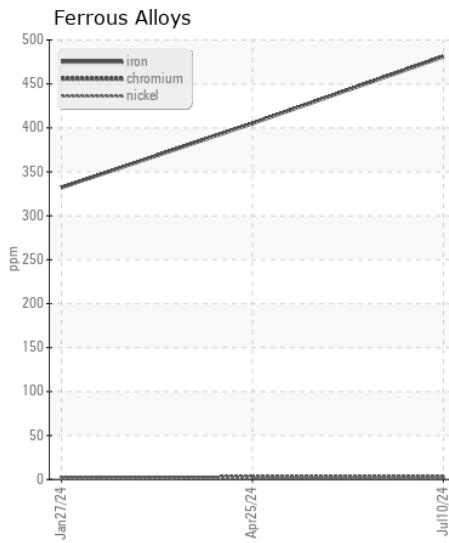
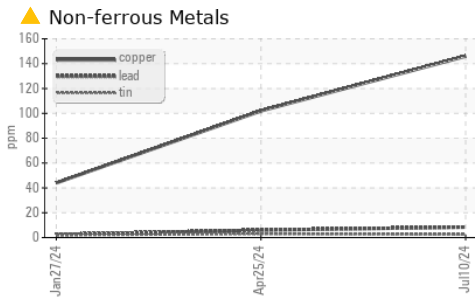
There is no indication of any contamination in the oil.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >75 | 11 | 13 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 4 | <1 |
| Water | | WC Method | >.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| 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 | >.2 | NEG | NEG | NEG |

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|-------------|-----|-------------|-----------|-------------|----------|----------|
| Sodium | ppm | ASTM D5185m | | 4 | 3 | 5 |
| Boron | ppm | ASTM D5185m | 6 | 34 | 37 | 29 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 3 | 3 | 2 |
| Manganese | ppm | ASTM D5185m | | 14 | 14 | 13 |
| Magnesium | ppm | ASTM D5185m | 145 | 77 | 80 | 76 |
| Calcium | ppm | ASTM D5185m | 3570 | 3594 | 3861 | 3383 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1131 | 1279 | 1069 |
| Zinc | ppm | ASTM D5185m | 1640 | 1353 | 1408 | 1336 |
| Sulfur | ppm | ASTM D5185m | | 3411 | 3861 | 3436 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 53.4 | 55.2 | 55.6 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0007890 **Received** : 15 Jul 2024
Lab Number : 06236362 **Tested** : 16 Jul 2024
Unique Number : 11125196 **Diagnosed** : 16 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT
 P.O. BOX 412
 NORTHPORT, AL
 US 35476
 Contact: CRAIG ANDOE
 serve01@warriortractor.com
 T: (205)339-0300
 F:

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)