



OIL ANALYSIS REPORT

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

Machine Id
JOHN DEERE 844P 1DW844PQCPLX06725
 Component
Front Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WE0006906 | WE0007024 | WE0006483 |
| Sample Date | | Client Info | | 16 May 2024 | 25 Mar 2024 | 29 Dec 2023 |
| Machine Age | hrs | Client Info | | 2000 | 1548 | 979 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Not Changd | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| PQ | | ASTM D8184 | | 340 | 388 | 410 |
| Iron | ppm | ASTM D5185m | >500 | 746 | 686 | 680 |
| Chromium | ppm | ASTM D5185m | >10 | 3 | 3 | 3 |
| Nickel | ppm | ASTM D5185m | >10 | 2 | 3 | 3 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | <1 | 2 | 2 |
| Lead | ppm | ASTM D5185m | >25 | 9 | 8 | 5 |
| Copper | ppm | ASTM D5185m | >100 | 125 | 111 | 75 |
| Tin | ppm | ASTM D5185m | >10 | 2 | 4 | 3 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

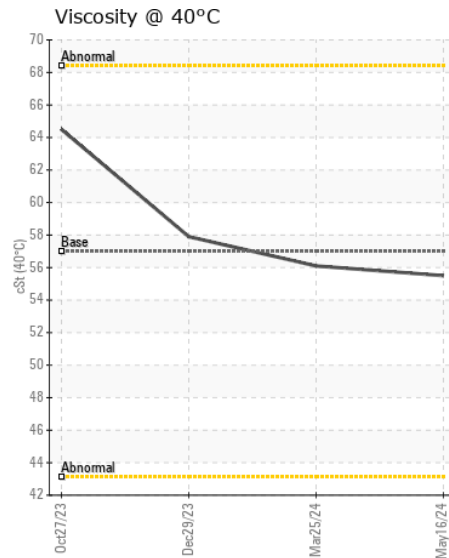
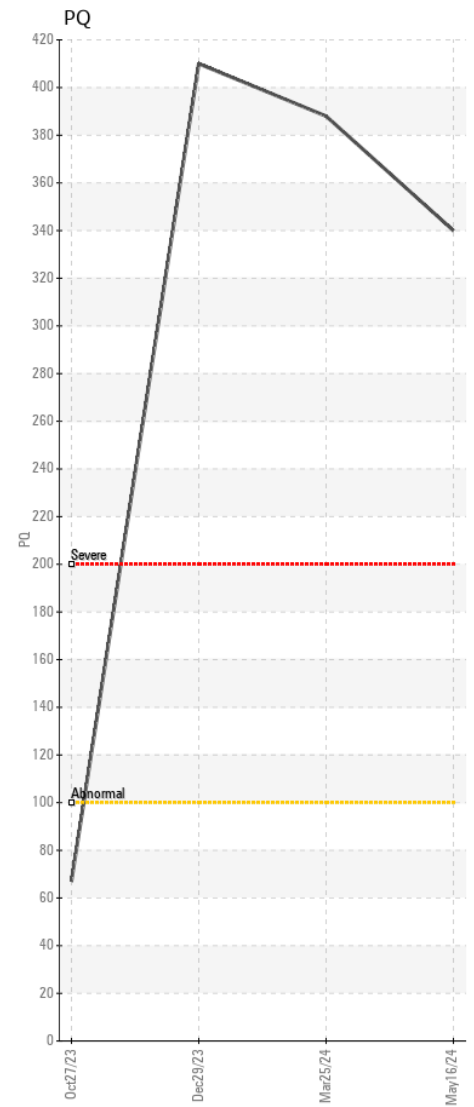
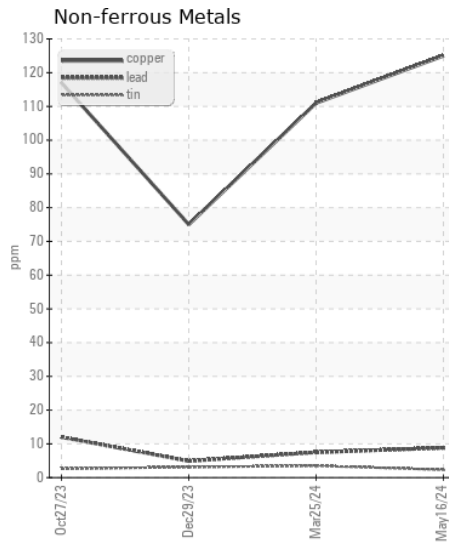
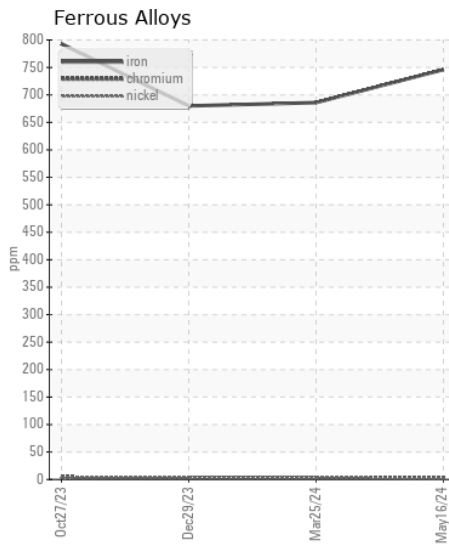
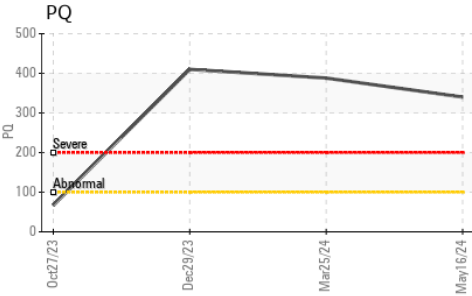
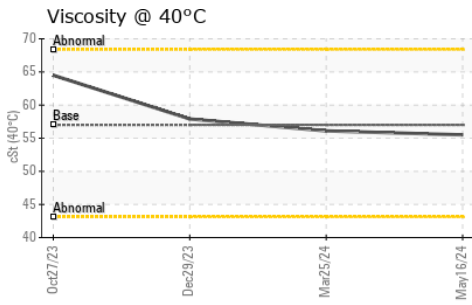
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 11 | 12 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | <1 | 1 |
| Water | | WC Method | >.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | LIGHT | NONE | MODER |
| 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 fluid is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 7 | 7 | 8 |
| Boron | ppm | ASTM D5185m | 6 | 31 | 32 | 33 |
| Barium | ppm | ASTM D5185m | 0 | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 2 | 3 | <1 |
| Manganese | ppm | ASTM D5185m | | 17 | 16 | 18 |
| Magnesium | ppm | ASTM D5185m | 145 | 77 | 75 | 84 |
| Calcium | ppm | ASTM D5185m | 3570 | 3488 | 3393 | 3520 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1101 | 1051 | 1122 |
| Zinc | ppm | ASTM D5185m | 1640 | 1246 | 1231 | 1391 |
| Sulfur | ppm | ASTM D5185m | | 4075 | 4042 | 3623 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 55.5 | 56.1 | 57.9 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006906 **Received** : 21 May 2024
Lab Number : 06186511 **Tested** : 22 May 2024
Unique Number : 11043263 **Diagnosed** : 23 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)