



OIL ANALYSIS REPORT

| | |
|-----------------|------------------|
| WEAR | ABNORMAL |
| CONTAMINATION | SEVERE |
| FLUID CONDITION | ATTENTION |

Machine Id
JOHN DEERE 844L 1DW844LXVML712581
 Component
Brake
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

The iron level is abnormal.

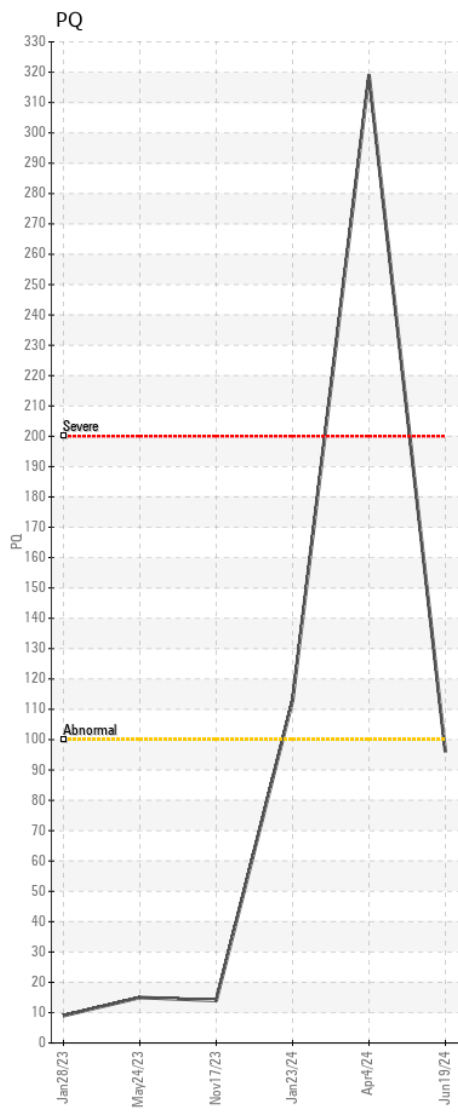
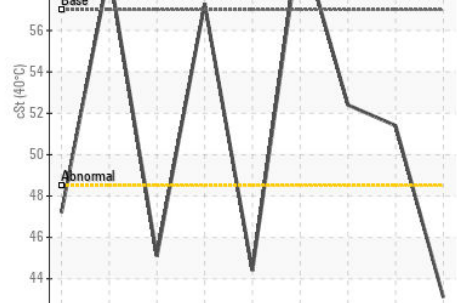
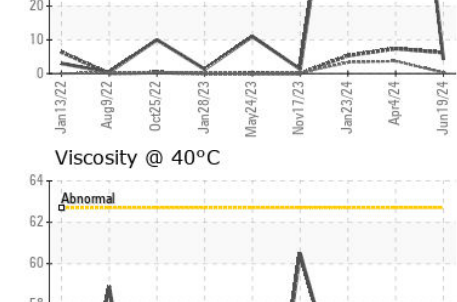
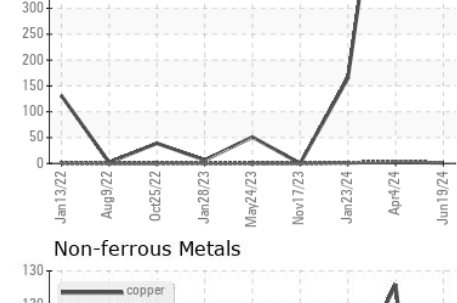
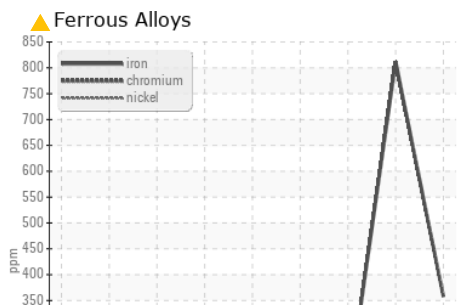
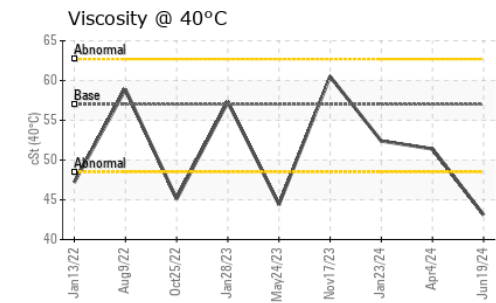
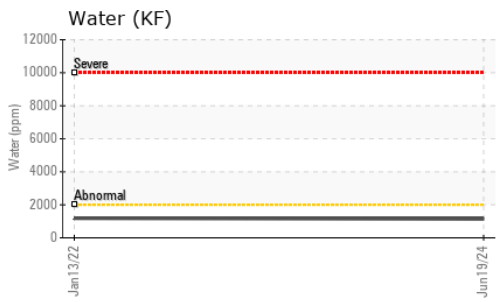
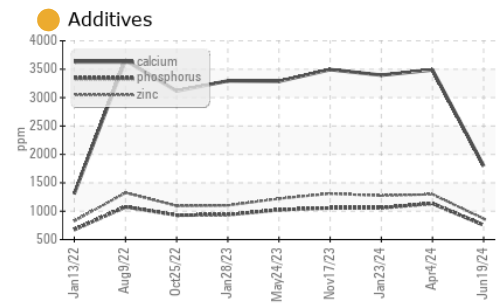
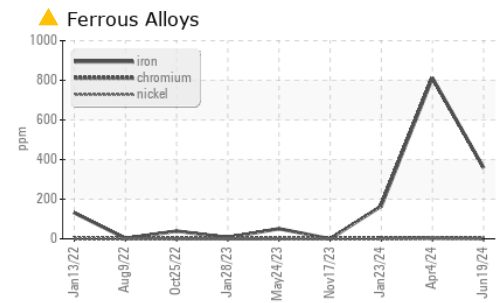
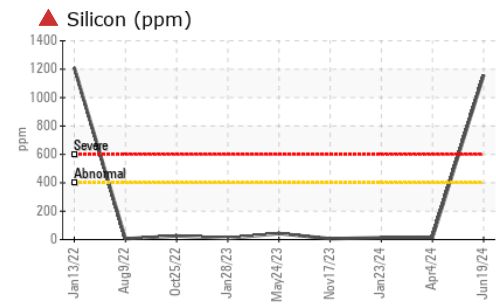
CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of fluid. The fluid is no longer serviceable due to the presence of contaminants.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WE0007785 | WC06143333 | WE0006392 |
| Sample Date | | Client Info | | 19 Jun 2024 | 04 Apr 2024 | 23 Jan 2024 |
| Machine Age | hrs | Client Info | | 6171 | 5525 | 500 |
| Oil Age | hrs | Client Info | | 0 | 5525 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | N/A |
| Filter Changed | | Client Info | | Not Changd | N/A | N/A |
| Sample Status | | | | SEVERE | NORMAL | NORMAL |
| PQ | | ASTM D8184 | | 96 | 319 | 113 |
| Iron | ppm | ASTM D5185m | >350 | ▲ 358 | 812 | 165 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | 3 | 1 |
| Nickel | ppm | ASTM D5185m | >5 | 2 | 3 | <1 |
| Titanium | ppm | ASTM D5185m | | 2 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >8 | 7 | 2 | <1 |
| Lead | ppm | ASTM D5185m | >10 | 6 | 7 | 5 |
| Copper | ppm | ASTM D5185m | >150 | 4 | 126 | 96 |
| Tin | ppm | ASTM D5185m | >5 | <1 | 4 | 3 |
| 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 | >400 | ▲ 1158 | 14 | 13 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 2 | 0 |
| Water | % | ASTM D6304 | >0.2 | 0.114 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >2000 | 1140 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | LIGHT | 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 | >0.2 | 0.2% | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | 5 | 1 | 1 |
| Boron | ppm | ASTM D5185m | 6 | 41 | 0 | 2 |
| Barium | ppm | ASTM D5185m | 0 | 3 | <1 | <1 |
| Molybdenum | ppm | ASTM D5185m | 0 | ● 283 | 9 | 5 |
| Manganese | ppm | ASTM D5185m | | 4 | 10 | 5 |
| Magnesium | ppm | ASTM D5185m | 145 | ● 387 | 97 | 100 |
| Calcium | ppm | ASTM D5185m | 3570 | ● 1798 | 3487 | 3395 |
| Phosphorus | ppm | ASTM D5185m | 1290 | ● 757 | 1136 | 1057 |
| Zinc | ppm | ASTM D5185m | 1640 | ● 868 | 1297 | 1272 |
| Sulfur | ppm | ASTM D5185m | | ● 2329 | 4161 | 3364 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 43.1 | 51.4 | 52.4 |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0007785
Lab Number : 06218505
Unique Number : 11096702
Test Package : CONST (Additional Tests: KF, PQ)
Received : 24 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 26 Jun 2024 - Jonathan Hester
 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)

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