



OIL ANALYSIS REPORT

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



Area
Store 9 - Marietta [RO#147318]
Machine Id
JOHN DEERE 1050K 1T01050PAHF314632
Component
Left Inner Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | LEC0047497 | LEC0042325 | LEC0002882 |
| Sample Date | | Client Info | | 19 Feb 2024 | 26 Jun 2023 | 28 May 2019 |
| Machine Age | hrs | Client Info | | 1997 | 1568 | 1477 |
| Oil Age | hrs | Client Info | | 1997 | 1568 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | None | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|------|
| PQ | | ASTM D8184 | >1250 | 31 | 21 | 19 |
| Iron | ppm | ASTM D5185m | >750 | 22 | 14 | 34 |
| Chromium | ppm | ASTM D5185m | >9 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | <1 | 0 | 1 |
| Lead | ppm | ASTM D5185m | >15 | <1 | <1 | 2 |
| Copper | ppm | ASTM D5185m | >40 | <1 | <1 | 2 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

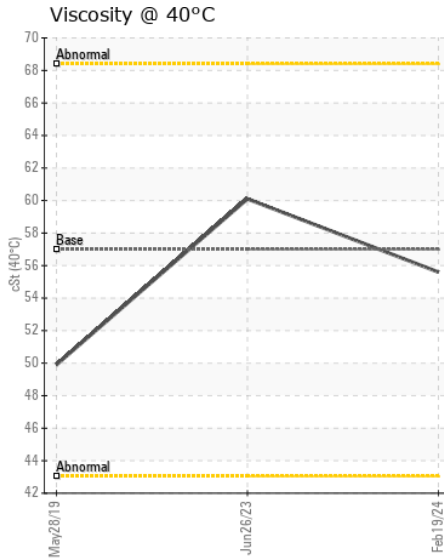
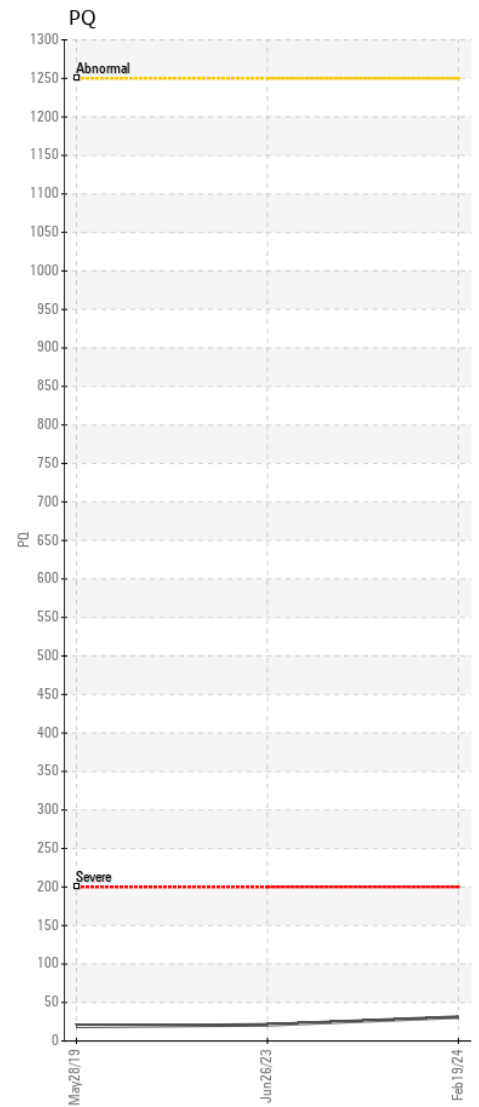
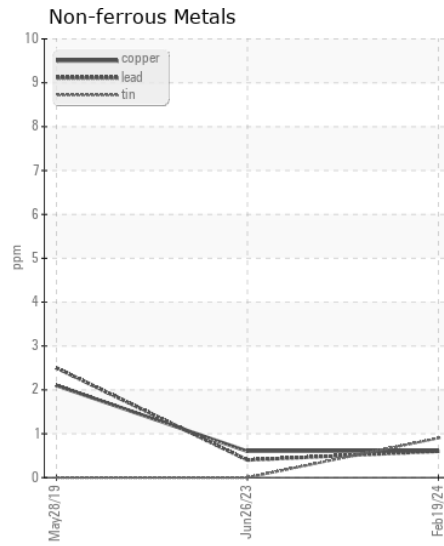
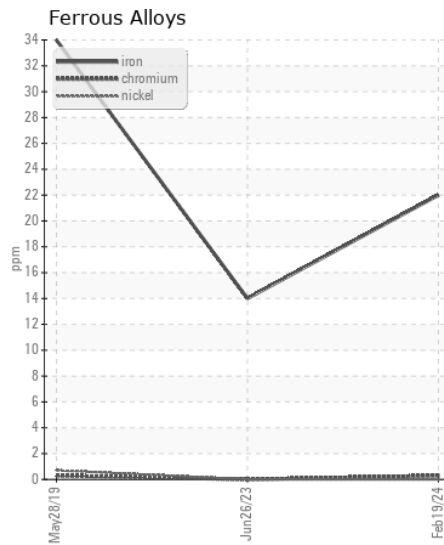
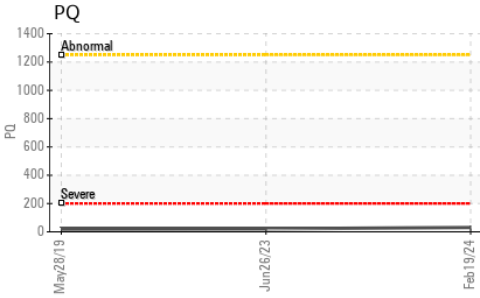
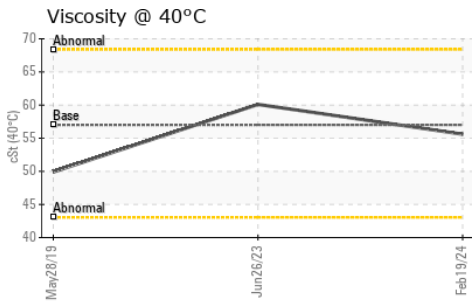
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 14 | 11 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 4 | 12 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| 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 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | >51 | 1 | 0 | 4 |
| Boron | ppm | ASTM D5185m | 6 | 27 | 33 | 2 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 24 | 25 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 145 | 160 | 160 | 102 |
| Calcium | ppm | ASTM D5185m | 3570 | 3219 | 3328 | 3818 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1022 | 1008 | 1033 |
| Zinc | ppm | ASTM D5185m | 1640 | 1235 | 1229 | 1300 |
| Sulfur | ppm | ASTM D5185m | | 3393 | 4389 | 3211 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 55.6 | 60.1 | 49.9 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047497 **Received** : 22 Feb 2024
Lab Number : 06097260 **Tested** : 23 Feb 2024
Unique Number : 10890113 **Diagnosed** : 23 Feb 2024 - Wes Davis
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)