



OIL ANALYSIS REPORT

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



Area
Store 6 - Ashland [148272]
Machine Id
JOHN DEERE 748L II 1DW748LBELF703535
Component
Rear Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (9 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | LEC0044733 | LEC0018632 | --- |
| Sample Date | | Client Info | | 23 Feb 2024 | 13 May 2021 | --- |
| Machine Age | hrs | Client Info | | 4209 | 621 | --- |
| Oil Age | hrs | Client Info | | 724 | 621 | --- |
| Filter Age | hrs | Client Info | | 724 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|-----|
| PQ | | ASTM D8184 | | 484 | 216 | --- |
| Iron | ppm | ASTM D5185m | >750 | 512 | 402 | --- |
| Chromium | ppm | ASTM D5185m | >11 | 2 | 2 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 5 | 4 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185m | >21 | 3 | 2 | --- |
| Lead | ppm | ASTM D5185m | >49 | 4 | 3 | --- |
| Copper | ppm | ASTM D5185m | >101 | 23 | 16 | --- |
| Tin | ppm | ASTM D5185m | >10 | 2 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | --- |
| White Metal | scalar | *Visual | NONE | HEAVY | MODER | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

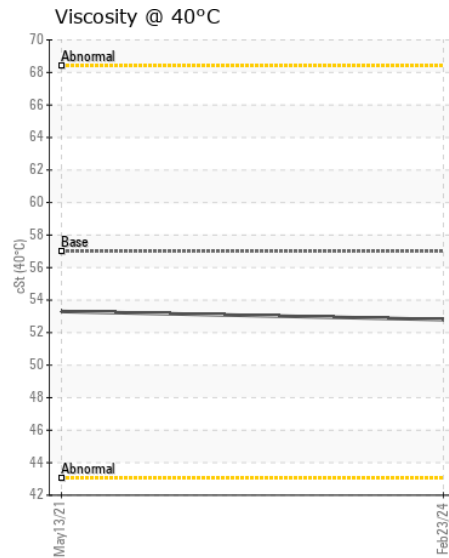
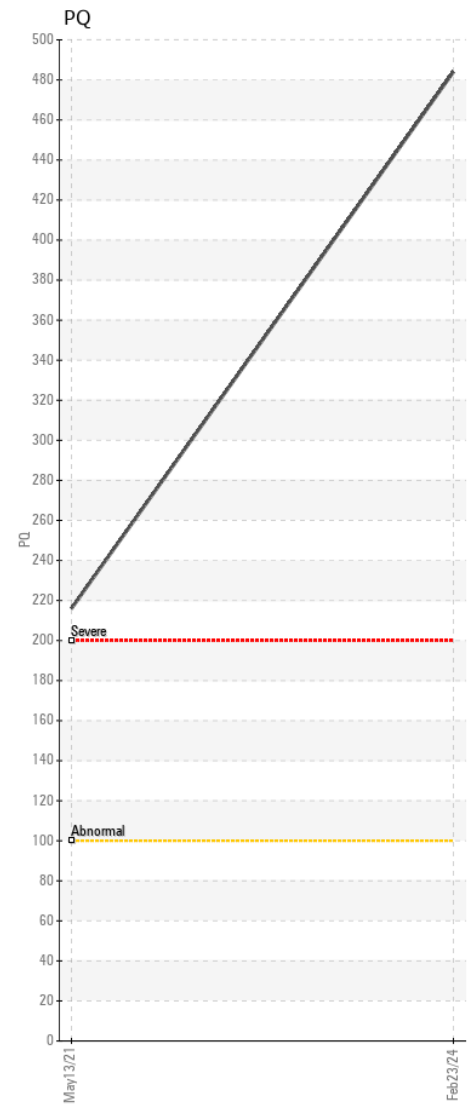
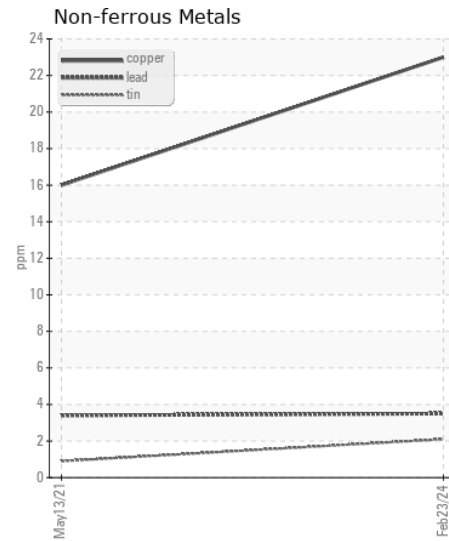
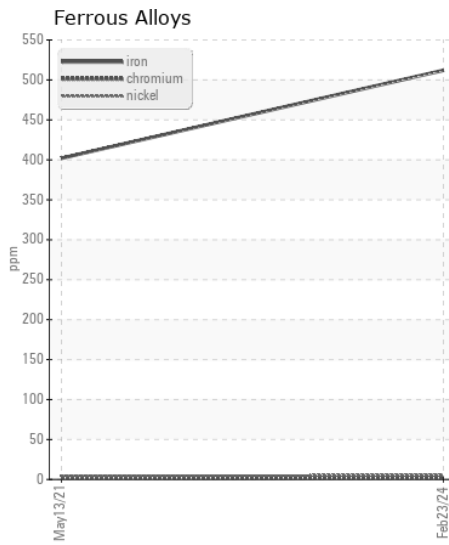
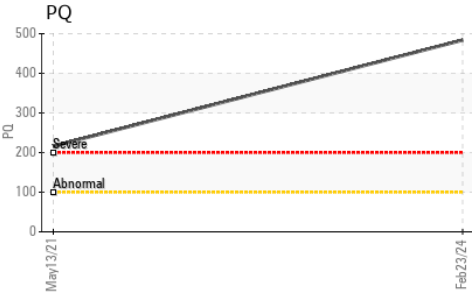
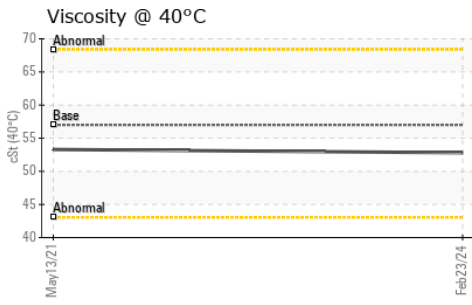
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >31 | 12 | 10 | --- |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 3 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | MODER | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|-------------|------|-----|
| Sodium | ppm | ASTM D5185m | >51 | 4 | 6 | --- |
| Boron | ppm | ASTM D5185m | 6 | 6 | 7 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | 4 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 1 | --- |
| Manganese | ppm | ASTM D5185m | | 7 | 7 | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 91 | 100 | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3341 | 3520 | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1043 | 986 | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1180 | 1209 | --- |
| Sulfur | ppm | ASTM D5185m | | 3589 | 3088 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 52.8 | 53.3 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0044733 **Received** : 27 Feb 2024
Lab Number : 06101943 **Tested** : 28 Feb 2024
Unique Number : 10900173 **Diagnosed** : 29 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
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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)