



OIL ANALYSIS REPORT

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



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 210G 1FF210GXCKF527836
Component
Swing Drive
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update of oil type.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | LEC0045366 | LEC0039606 | LEC0034464 |
| Sample Date | | Client Info | | 28 Sep 2023 | 03 Mar 2023 | 21 Oct 2022 |
| Machine Age | hrs | Client Info | | 2878 | 2404 | 1950 |
| Oil Age | hrs | Client Info | | 928 | 454 | 1095 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Changed |
| Filter Changed | | Client Info | | N/A | None | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| PQ | | ASTM D8184 | | 30 | 28 | 19 |
| Iron | ppm | ASTM D5185m | >151 | 46 | 45 | 64 |
| Chromium | ppm | ASTM D5185m | >11 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >21 | <1 | 2 | 1 |
| Lead | ppm | ASTM D5185m | >51 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >51 | 0 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

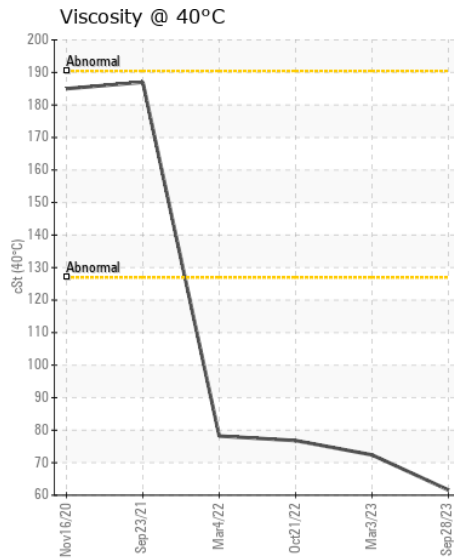
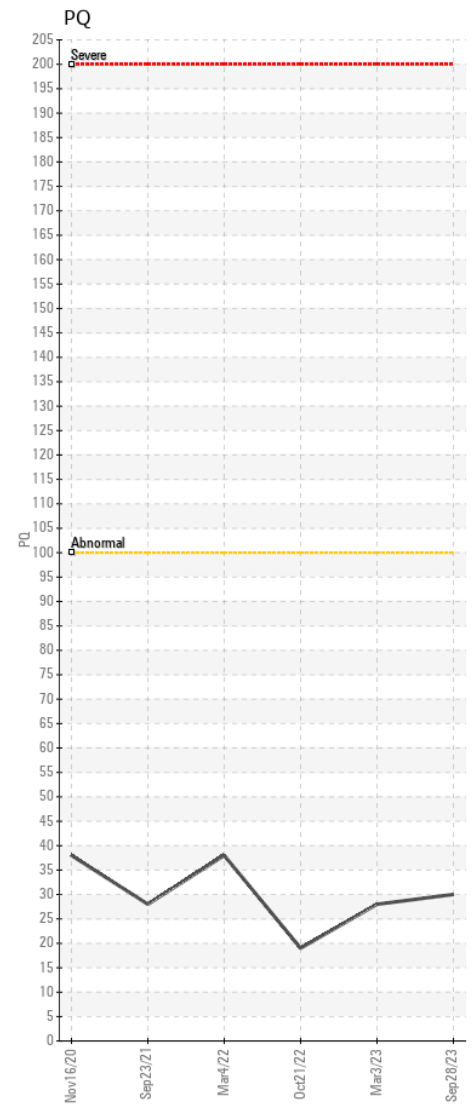
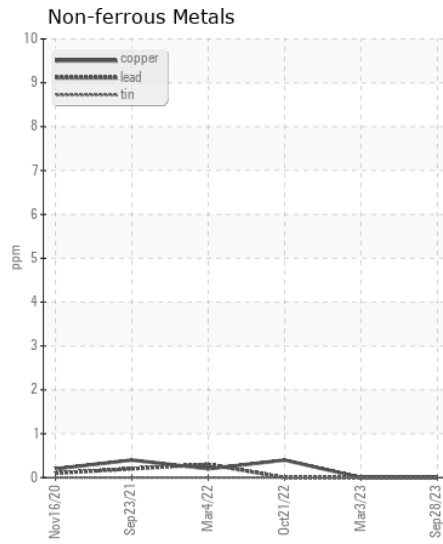
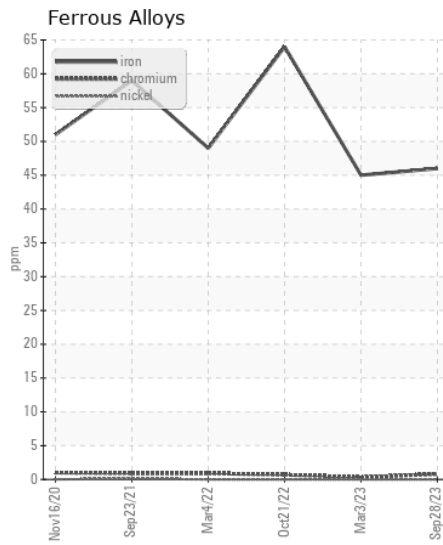
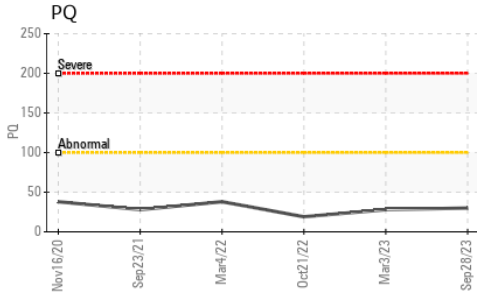
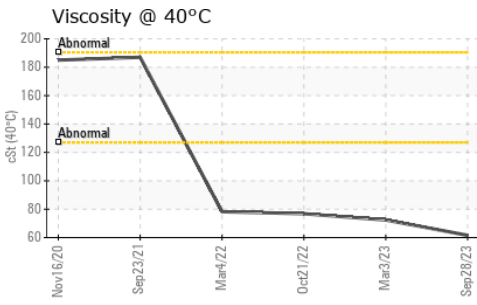
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >31 | 10 | 11 | 13 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 3 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | VLITE | VLITE |
| 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 | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|--------------|------|------|
| Sodium | ppm | ASTM D5185m | >51 | 0 | <1 | 0 |
| Boron | ppm | ASTM D5185m | | 14 | 10 | 34 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 3 | 3 |
| Manganese | ppm | ASTM D5185m | | <1 | 1 | 1 |
| Magnesium | ppm | ASTM D5185m | | 110 | 100 | 79 |
| Calcium | ppm | ASTM D5185m | | 3256 | 3241 | 2652 |
| Phosphorus | ppm | ASTM D5185m | | 1008 | 913 | 900 |
| Zinc | ppm | ASTM D5185m | | 1212 | 1120 | 950 |
| Sulfur | ppm | ASTM D5185m | | 4470 | 4318 | 8416 |
| Visc @ 40°C | cSt | ASTM D445 | | 61.6 | 72.4 | 76.8 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045366 **Received** : 02 Oct 2023
Lab Number : 05966570 **Tested** : 03 Oct 2023
Unique Number : 10673121 **Diagnosed** : 19 Dec 2023 - Doug Bogart
Test Package : CONST (Additional Tests: PQ)

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)

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