



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

Machine Id
JOHN DEERE 9650 H096505691643 - LOADING

Component
Auger

Fluid
GEAR OIL LS 80W90 (--- QTS)

RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

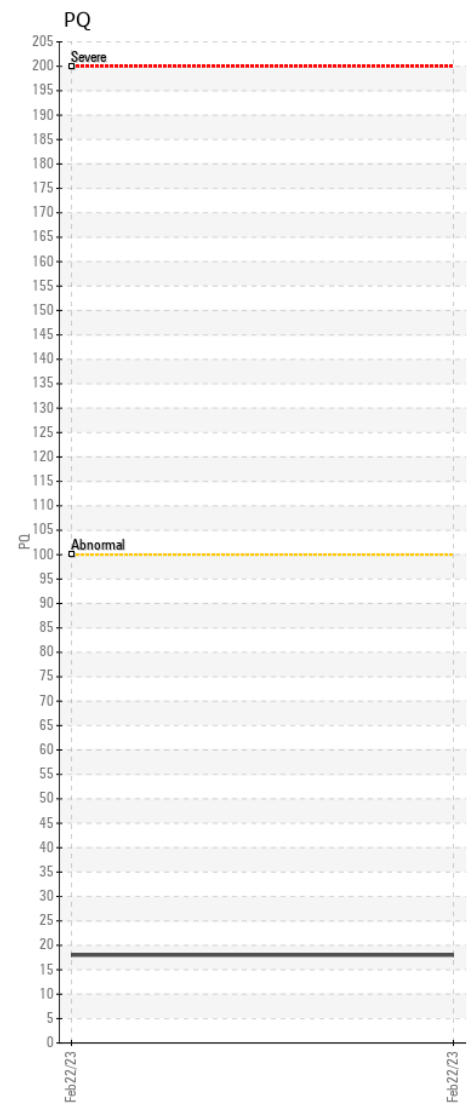
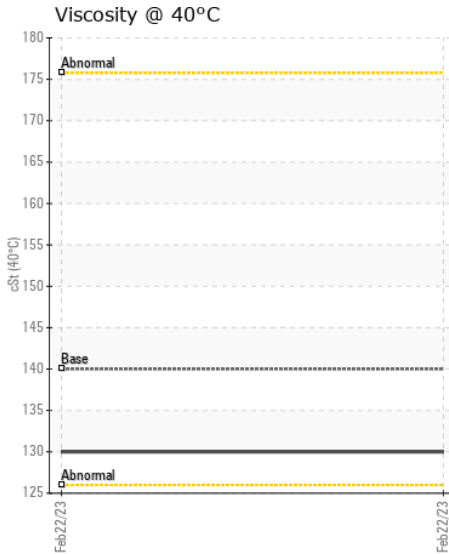
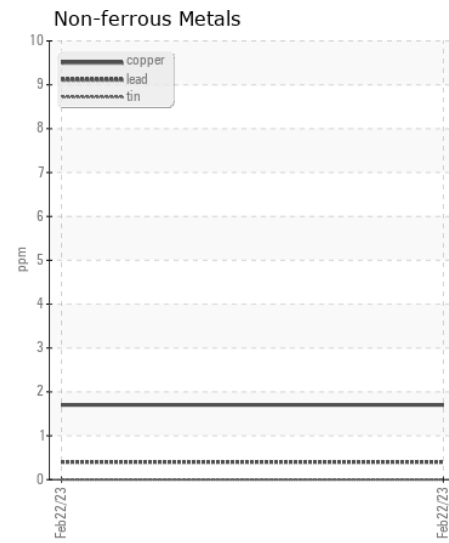
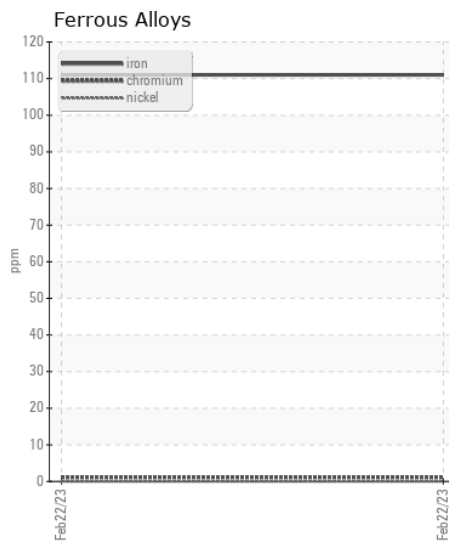
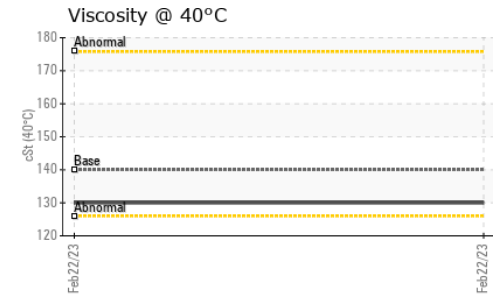
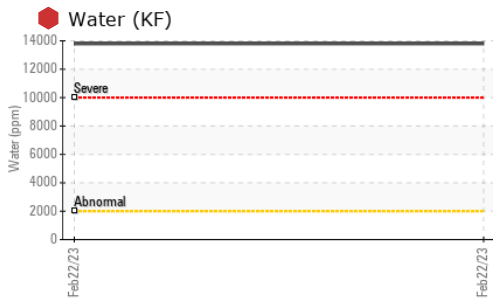
CONTAMINATION

There is a high concentration of water present in the oil.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | JR0149226 | --- | --- |
| Sample Date | | Client Info | | 22 Feb 2023 | --- | --- |
| Machine Age | hrs | Client Info | | 0 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | N/A | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | SEVERE | --- | --- |
| PQ | | ASTM D8184 | | 18 | --- | --- |
| Iron | ppm | ASTM D5185m | >200 | 111 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | | 22 | --- | --- |
| Lead | ppm | ASTM D5185m | | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | | 2 | --- | --- |
| Tin | ppm | ASTM D5185m | | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185m | | 38 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 7 | --- | --- |
| Water | % | ASTM D6304 | >0.2 | 1.38 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >2000 | 13800 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | MILKY | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.2 | 0.2% | --- | --- |
| Sodium | ppm | ASTM D5185m | | 2 | --- | --- |
| Boron | ppm | ASTM D5185m | 150 | 125 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 2 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 4 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 10 | 8 | --- | --- |
| Calcium | ppm | ASTM D5185m | 70 | 83 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 2000 | 984 | --- | --- |
| Zinc | ppm | ASTM D5185m | 50 | 287 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 20000 | 21501 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 140 | 130 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0149226 **Received** : 22 Feb 2023
Lab Number : 05774112 **Tested** : 23 Feb 2023
Unique Number : 10348729 **Diagnosed** : 23 Feb 2023 - Don Baldrige
Test Package : CONST (Additional Tests: KF, 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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