



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



Machine Id
JOHN DEERE 50G 1FF050GXHH286446
Component
Right Final Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0203854 | JR0025119 | JRMC466703 |
| Sample Date | | Client Info | | 28 Feb 2024 | 10 Sep 2019 | 20 Mar 2019 |
| Machine Age | hrs | Client Info | | 3446 | 973 | 584 |
| Oil Age | hrs | Client Info | | 2473 | 500 | 500 |
| Filter Age | hrs | Client Info | | 0 | 500 | 500 |
| Oil Changed | | Client Info | | Not Changd | Changed | Changed |
| Filter Changed | | Client Info | | N/A | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|-------|------|
| PQ | | ASTM D8184 | >1250 | 14 | 136 | 16 |
| Iron | ppm | ASTM D5185m | >750 | 0 | 259 | 2 |
| Chromium | ppm | ASTM D5185m | >9 | <1 | 11 | 0 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 1 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >40 | 0 | 4 | <1 |
| Lead | ppm | ASTM D5185m | >15 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >40 | <1 | 1 | 0 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 3 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | MODER | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

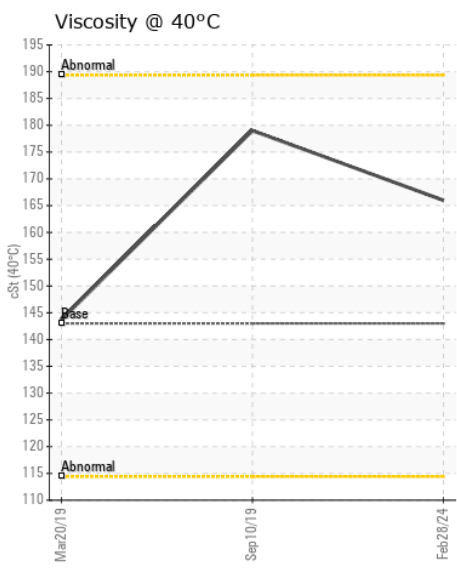
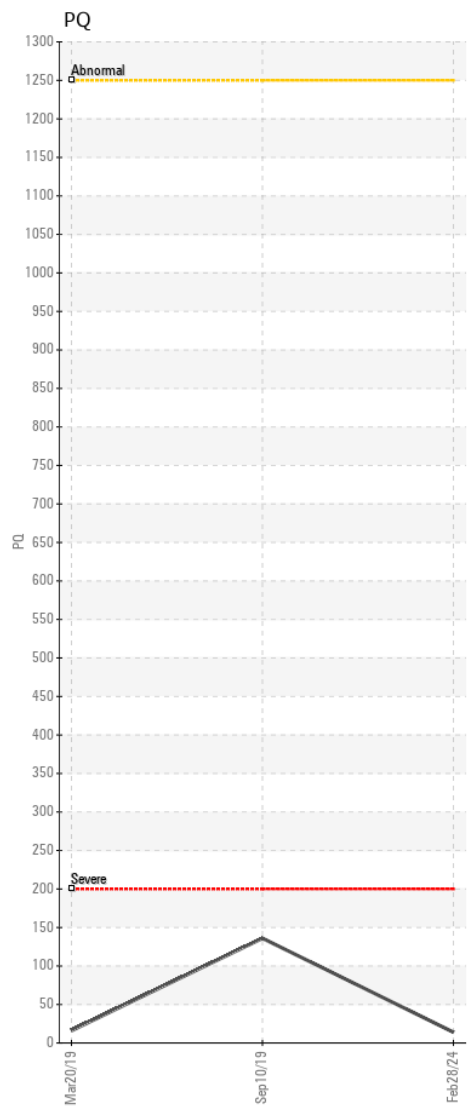
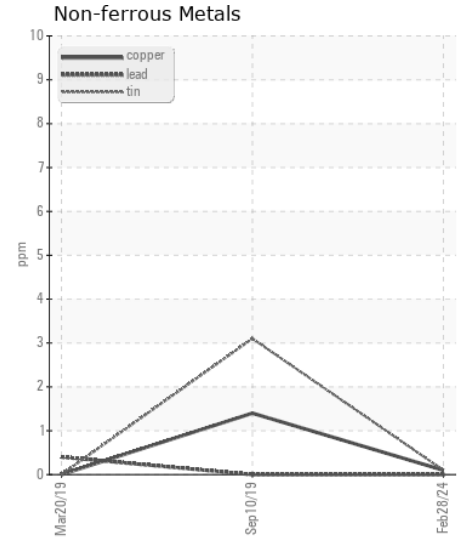
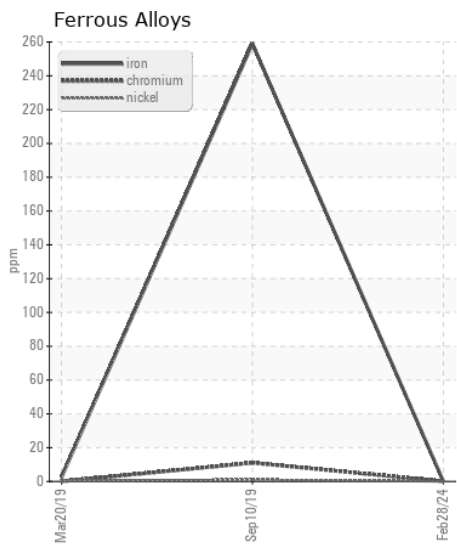
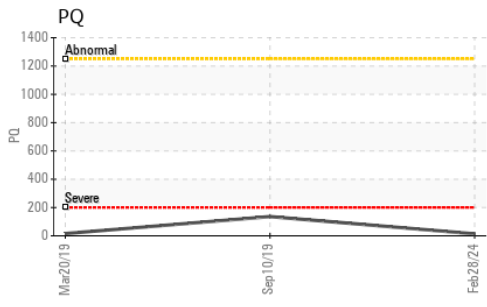
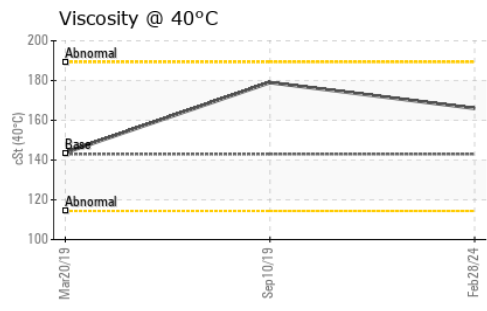
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | <1 | 16 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 1 | 5 |
| 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 | >170 | <1 | 3 | 1 |
| Boron | ppm | ASTM D5185m | 400 | 33 | 34 | 210 |
| Barium | ppm | ASTM D5185m | 200 | 0 | 5 | 0 |
| Molybdenum | ppm | ASTM D5185m | 12 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | 9 | 0 |
| Magnesium | ppm | ASTM D5185m | 12 | <1 | 0 | 0 |
| Calcium | ppm | ASTM D5185m | 150 | 2 | 14 | <1 |
| Phosphorus | ppm | ASTM D5185m | 1650 | 757 | 399 | 892 |
| Zinc | ppm | ASTM D5185m | 125 | 0 | 164 | 0 |
| Sulfur | ppm | ASTM D5185m | 22500 | 19253 | 12738 | 16533 |
| Visc @ 40°C | cSt | ASTM D445 | 143 | 166 | 179 | 143.7 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203854 **Received** : 01 Mar 2024
Lab Number : 06106374 **Tested** : 03 Mar 2024
Unique Number : 10909871 **Diagnosed** : 05 Mar 2024 - Sean Felton
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)