



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

Area
[05W46990]
 Machine Id
JOHN DEERE 000748
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (10 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0218004 | JR0203183 | JR0192436 |
| Sample Date | | Client Info | | 28 May 2024 | 23 Feb 2024 | 17 Nov 2023 |
| Machine Age | hrs | Client Info | | 1983 | 1490 | 967 |
| Oil Age | hrs | Client Info | | 1983 | 1490 | 967 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|------|
| PQ | | ASTM D8184 | >1250 | 470 | 442 | 290 |
| Iron | ppm | ASTM D5185m | >750 | 803 | 708 | 548 |
| Chromium | ppm | ASTM D5185m | >9 | 12 | 11 | 8 |
| Nickel | ppm | ASTM D5185m | >10 | 1 | 1 | <1 |
| Titanium | ppm | ASTM D5185m | | 1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 9 | 8 | 1 |
| Lead | ppm | ASTM D5185m | >15 | 0 | 1 | 0 |
| Copper | ppm | ASTM D5185m | >40 | 1 | 1 | 1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

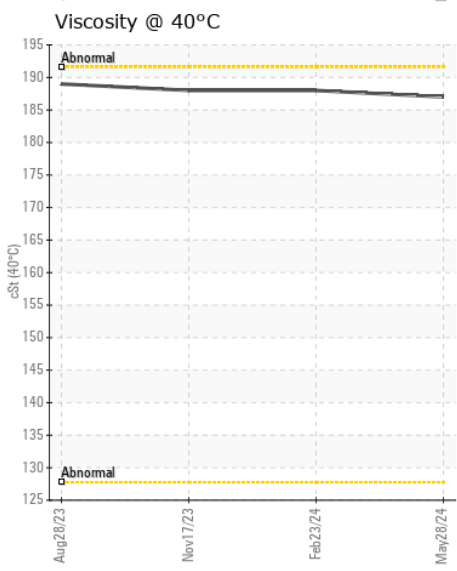
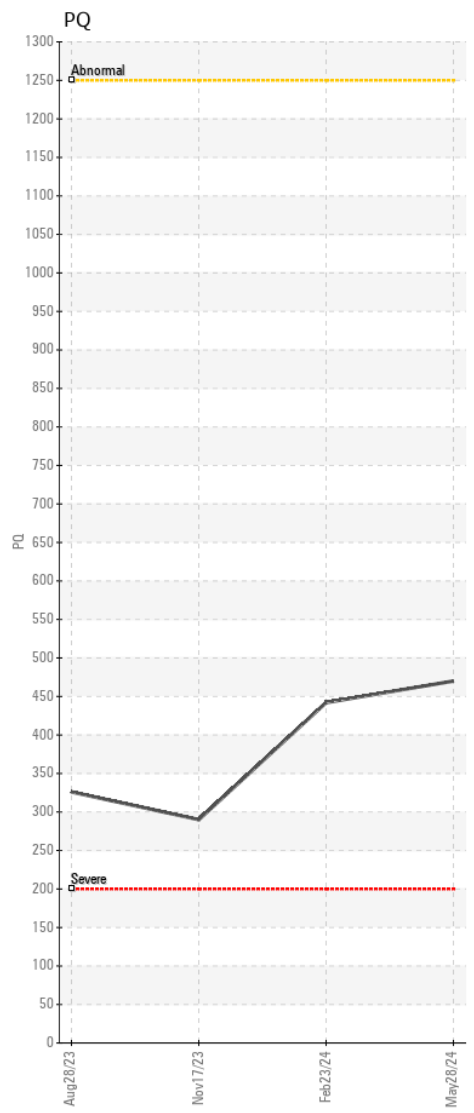
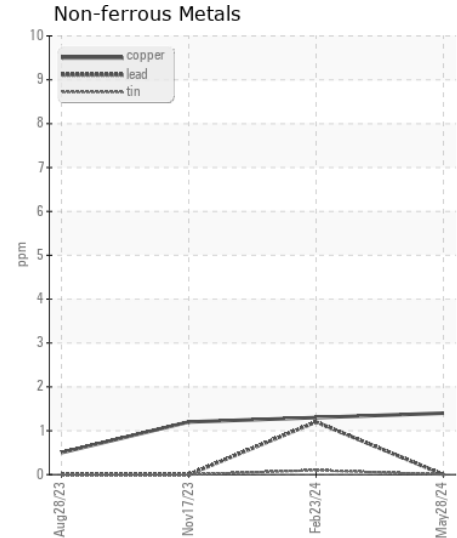
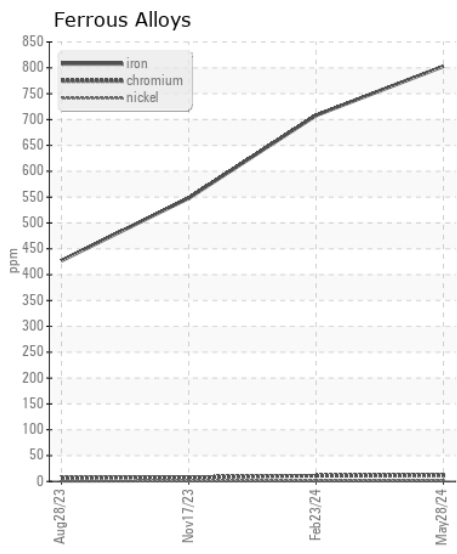
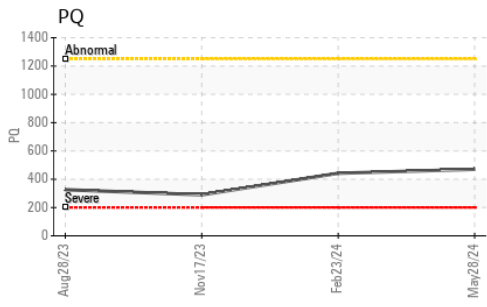
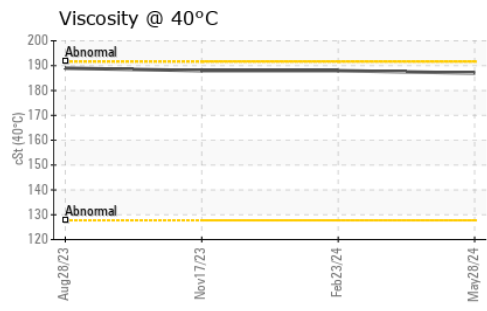
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 50 | 42 | 18 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 3 | 2 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | LIGHT | 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 | 2 | 0 |
| Boron | ppm | ASTM D5185m | | 80 | 75 | 78 |
| Barium | ppm | ASTM D5185m | | 4 | 2 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 1 | <1 |
| Manganese | ppm | ASTM D5185m | | 13 | 12 | 9 |
| Magnesium | ppm | ASTM D5185m | | 2 | 9 | 1 |
| Calcium | ppm | ASTM D5185m | | 21 | 24 | 33 |
| Phosphorus | ppm | ASTM D5185m | | 560 | 516 | 470 |
| Zinc | ppm | ASTM D5185m | | 24 | 20 | 14 |
| Sulfur | ppm | ASTM D5185m | | 16411 | 15907 | 15923 |
| Visc @ 40°C | cSt | ASTM D445 | | 187 | 188 | 188 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218004 **Received** : 29 May 2024
Lab Number : 06194722 **Tested** : 31 May 2024
Unique Number : 11056845 **Diagnosed** : 31 May 2024 - Don Baldrige
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)