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

Machine Id
JOHN DEERE 190G 1FF190GWVLF052087

Component
Transmission (Manual)

Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of visible silt present in the sample.
Moderate concentration of visible dirt/debris present in the fluid.

FLUID CONDITION

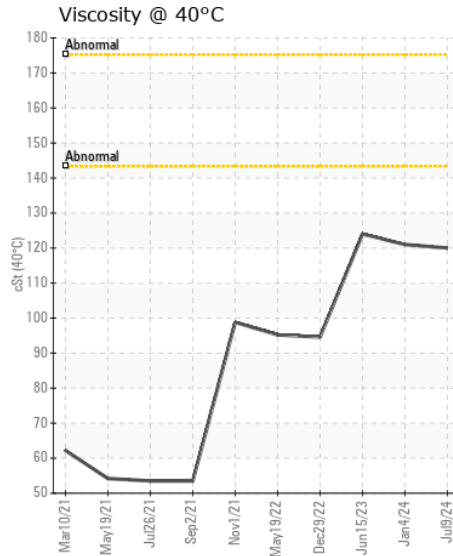
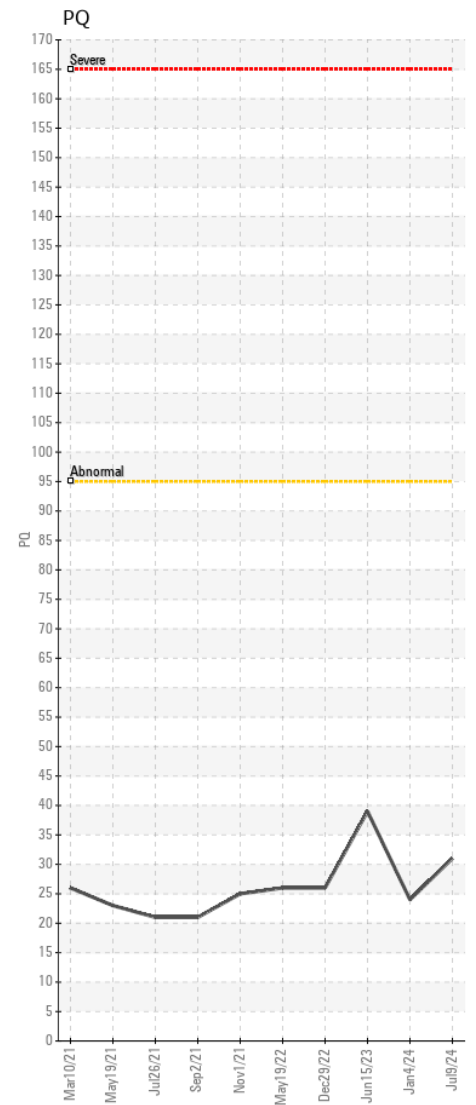
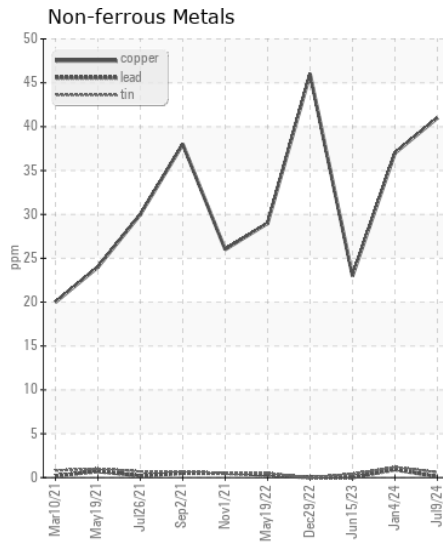
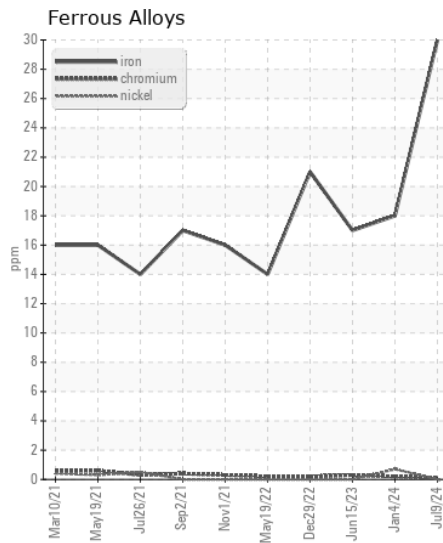
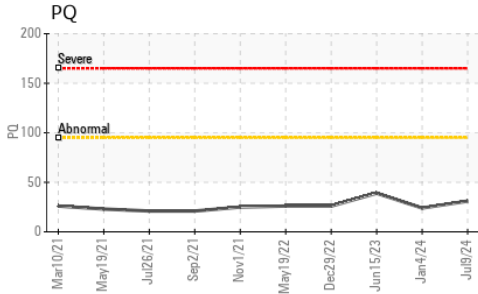
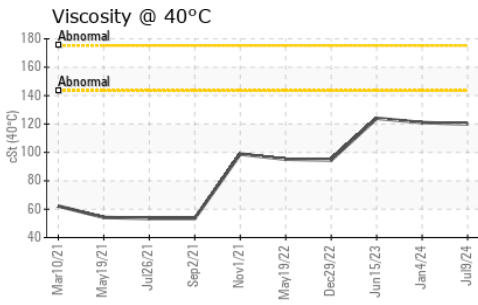
The condition of the fluid is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0218515 | JR0199245 | JR0174651 |
| Sample Date | | Client Info | | 09 Jul 2024 | 04 Jan 2024 | 15 Jun 2023 |
| Machine Age | hrs | Client Info | | 6922 | 6587 | 5204 |
| Oil Age | hrs | Client Info | | 4306 | 496 | 1233 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | None | N/A | None |
| Sample Status | | | | ABNORMAL | NORMAL | ABNORMAL |

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| PQ | | ASTM D8184 | >95 | 31 | 24 | 39 |
| Iron | ppm | ASTM D5185m | >200 | 30 | 18 | 17 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >7 | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 2 | 1 |
| Lead | ppm | ASTM D5185m | >45 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >225 | 41 | 37 | 23 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

| | | | | | | |
|------------------|--------|-------------|-------|----------------|-------|---------|
| Silicon | ppm | ASTM D5185m | >125 | 4 | 2 | 3 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 1 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | ▲ MODER | NONE | ▲ MODER |
| Debris | scalar | *Visual | NONE | ▲ MODER | 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 | >0.1 | NEG | NEG | NEG |

| | | | | | | |
|-------------|-----|-------------|--|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 4 | 3 | 6 |
| Boron | ppm | ASTM D5185m | | 67 | 68 | 83 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 1 | <1 |
| Manganese | ppm | ASTM D5185m | | 8 | 9 | 8 |
| Magnesium | ppm | ASTM D5185m | | 2 | 2 | 3 |
| Calcium | ppm | ASTM D5185m | | 324 | 339 | 402 |
| Phosphorus | ppm | ASTM D5185m | | 644 | 696 | 713 |
| Zinc | ppm | ASTM D5185m | | 157 | 146 | 170 |
| Sulfur | ppm | ASTM D5185m | | 16197 | 20118 | 21893 |
| Visc @ 40°C | cSt | ASTM D445 | | 120 | 121 | 124 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218515 **Received** : 11 Jul 2024
Lab Number : 06233503 **Tested** : 12 Jul 2024
Unique Number : 11116996 **Diagnosed** : 13 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

Contact: DON VEST
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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)