



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

Machine Id
JOHN DEERE 410L 1T0410LXCNF419673
 Component
Front Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (7 QTS)

RECOMMENDATION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0214416 | JR0174813 | --- |
| Sample Date | | Client Info | | 08 May 2024 | 25 May 2023 | --- |
| Machine Age | hrs | Client Info | | 970 | 491 | --- |
| Oil Age | hrs | Client Info | | 970 | 491 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Not Changd | Not Changd | --- |
| Filter Changed | | Client Info | | None | N/A | --- |
| Sample Status | | | | ABNORMAL | NORMAL | --- |

WEAR

Metal levels are typical for a new component breaking in.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 650 | 533 | --- |
| Iron | ppm | ASTM D5185m | >750 | 184 | 124 | --- |
| Chromium | ppm | ASTM D5185m | >11 | 2 | <1 | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >21 | <1 | 5 | --- |
| Lead | ppm | ASTM D5185m | >49 | 1 | 0 | --- |
| Copper | ppm | ASTM D5185m | >101 | 60 | 34 | --- |
| Tin | ppm | ASTM D5185m | >10 | 2 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | MODER | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

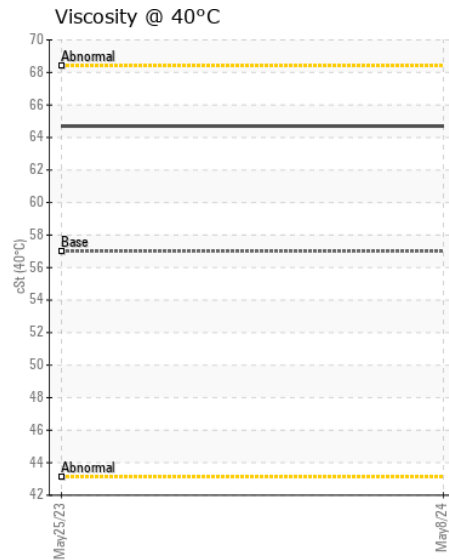
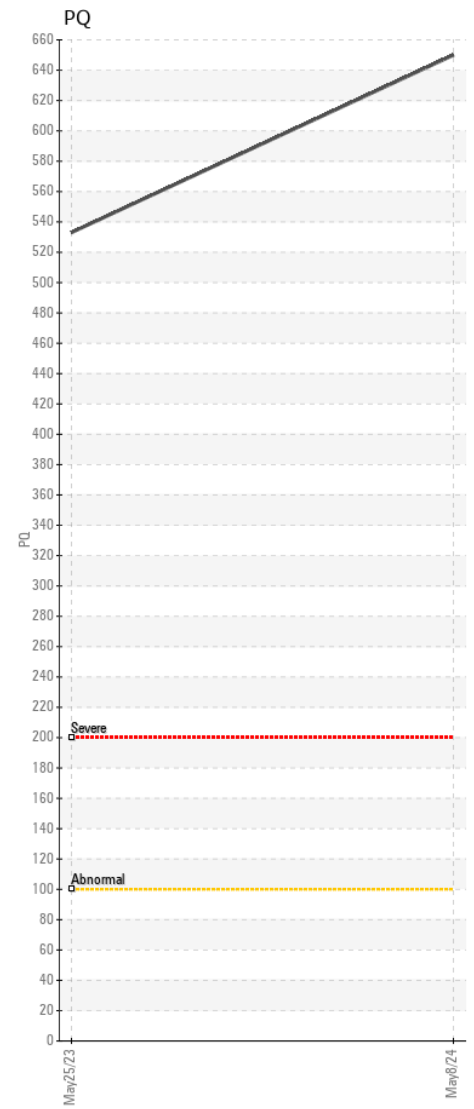
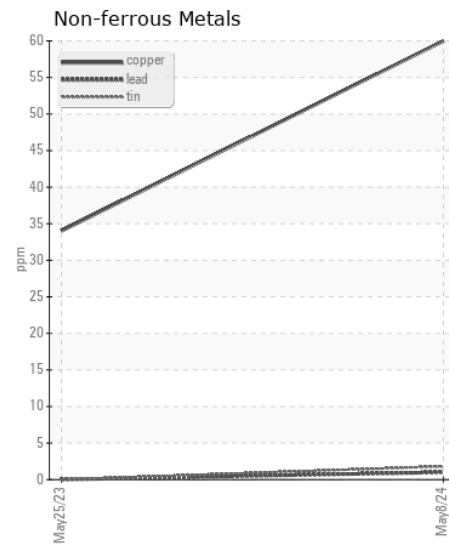
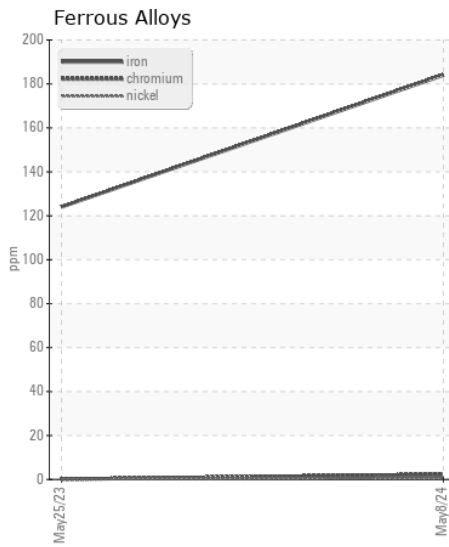
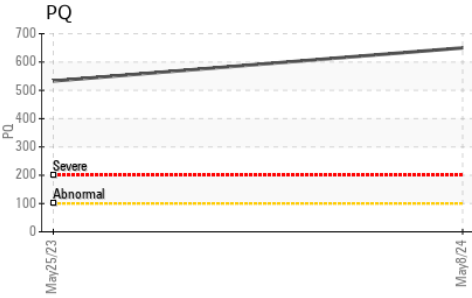
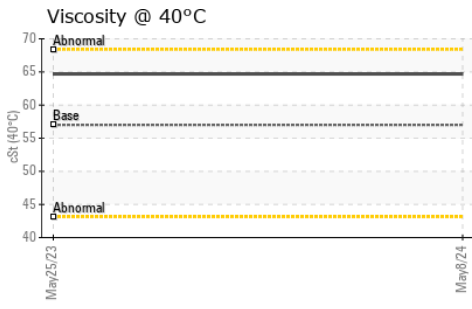
Moderate concentration of visible dirt/debris present in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|----------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >31 | 16 | 13 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 5 | 1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | ▲ MODER | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|-----|
| Sodium | ppm | ASTM D5185m | >51 | 13 | 14 | --- |
| Boron | ppm | ASTM D5185m | 6 | 125 | 113 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | 0 | --- |
| Manganese | ppm | ASTM D5185m | | 15 | 13 | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 11 | 22 | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3406 | 3541 | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1238 | 1159 | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1427 | 1511 | --- |
| Sulfur | ppm | ASTM D5185m | | 4269 | 4338 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 64.7 | 64.7 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214416 **Received** : 09 May 2024
Lab Number : 06174123 **Tested** : 10 May 2024
Unique Number : 11020176 **Diagnosed** : 12 May 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)