



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

Area

[05W46143]

Machine Id

JOHN DEERE 410L 1T0410LXCNF420511

Component

Transmission (Manual)

Fluid

JOHN DEERE HY-GARD HYD/TRANS (16 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0211017 | JR0173050 | --- |
| Sample Date | | Client Info | | 10 May 2024 | 02 May 2023 | --- |
| Machine Age | hrs | Client Info | | 982 | 442 | --- |
| Oil Age | hrs | Client Info | | 982 | 442 | --- |
| Filter Age | hrs | Client Info | | 982 | 442 | --- |
| Oil Changed | | Client Info | | Changed | Not Changed | --- |
| Filter Changed | | Client Info | | Changed | Not Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| PQ | | ASTM D8184 | >95 | 37 | 15 | --- |
| Iron | ppm | ASTM D5185m | >200 | 31 | 17 | --- |
| Chromium | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Silver | ppm | ASTM D5185m | >7 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 9 | 4 | --- |
| Lead | ppm | ASTM D5185m | >45 | 2 | 0 | --- |
| Copper | ppm | ASTM D5185m | >225 | 27 | 8 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | LIGHT | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

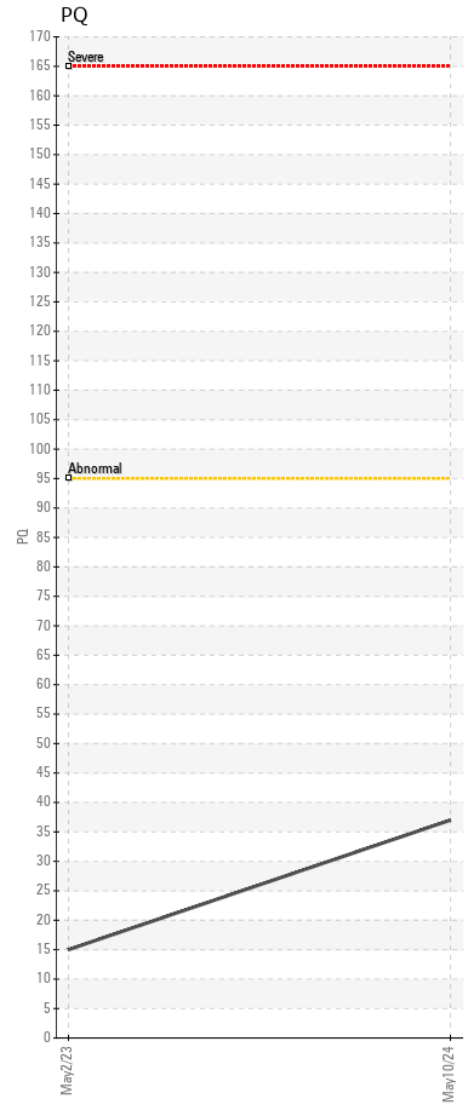
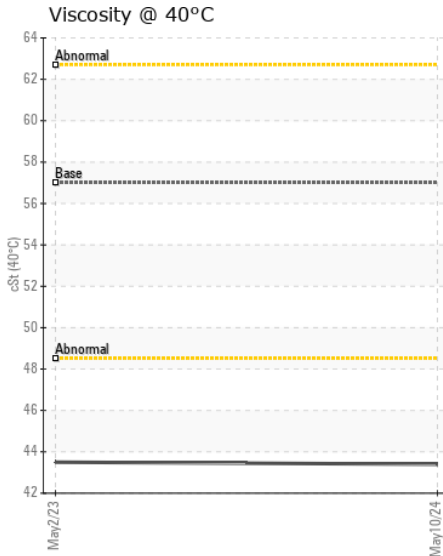
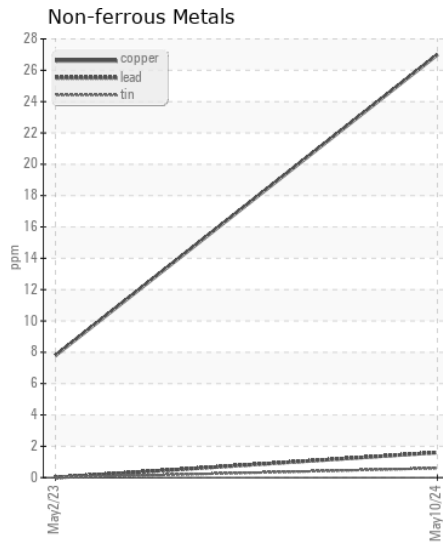
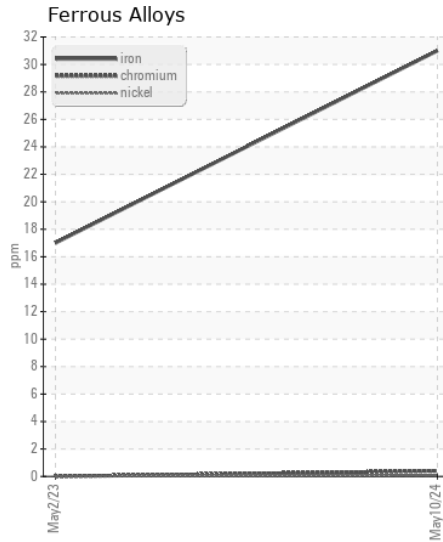
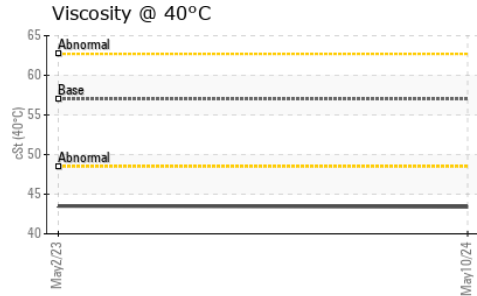
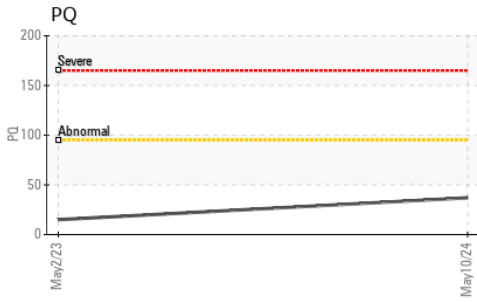
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >125 | 8 | 4 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 6 | 1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | 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 fluid is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|------|-------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 5 | 6 | --- |
| Boron | ppm | ASTM D5185m | 6 | 23 | 17 | --- |
| Barium | ppm | ASTM D5185m | 0 | 4 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 1 | <1 | --- |
| Manganese | ppm | ASTM D5185m | | 3 | 2 | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 101 | 64 | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 4094 | 2742 | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1380 | 853 | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1534 | 996 | --- |
| Sulfur | ppm | ASTM D5185m | | 4961 | 3439 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 43.4 | 43.5 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211017 **Received** : 13 May 2024
Lab Number : 06177404 **Tested** : 15 May 2024
Unique Number : 11023457 **Diagnosed** : 15 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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

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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)