



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



Area
[W48350]
 Machine Id
JOHN DEERE 844J DW844JX610102
 Component
Transmission (Manual)
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0200288 | JR0164537 | JR0180454 |
| Sample Date | | Client Info | | 08 Jan 2024 | 12 Dec 2023 | 13 Oct 2023 |
| Machine Age | hrs | Client Info | | 19128 | 19119 | 19023 |
| Oil Age | hrs | Client Info | | 10 | 300 | 2 |
| Filter Age | hrs | Client Info | | 10 | 300 | 2 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Changed | Not Changed | Not Changed |
| Sample Status | | | | NORMAL | ABNORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|---------|------|
| PQ | | ASTM D8184 | >95 | 15 | 48 | 16 |
| Iron | ppm | ASTM D5185m | >200 | 0 | 91 | 37 |
| Chromium | ppm | ASTM D5185m | >5 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >7 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | <1 | ▲ 38 | <1 |
| Lead | ppm | ASTM D5185m | >45 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >225 | <1 | 4 | <1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | 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

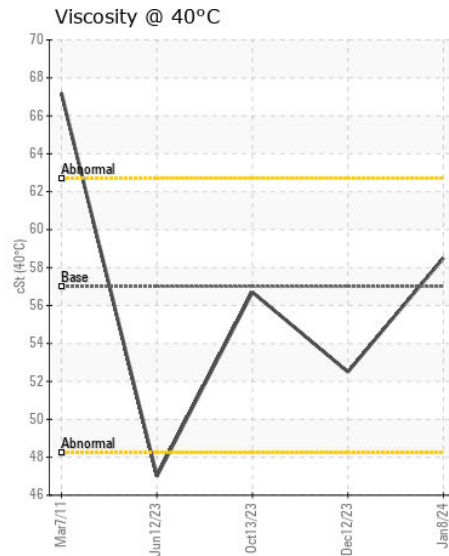
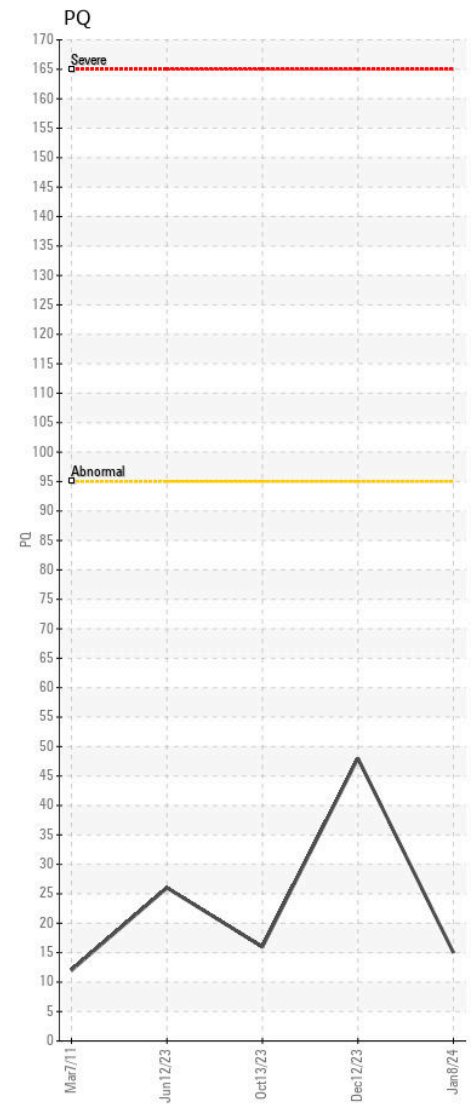
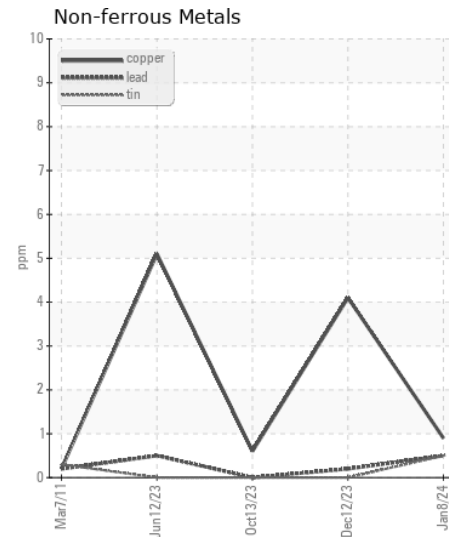
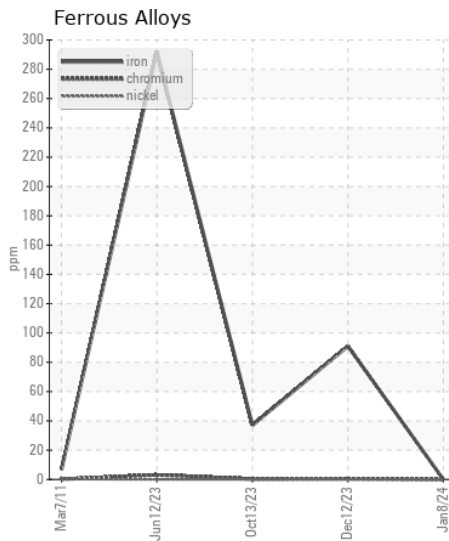
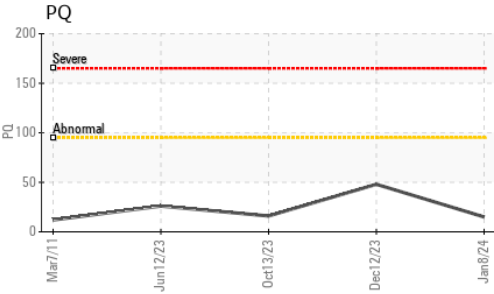
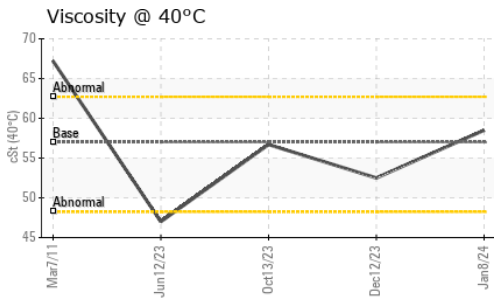
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >125 | 4 | 21 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 0 | <1 |
| Water | | WC Method | >0.1 | 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 | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 8 | 16 | 10 |
| Boron | ppm | ASTM D5185m | 6 | 2 | 4 | 5 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | <1 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | 145 | 96 | 106 | 100 |
| Calcium | ppm | ASTM D5185m | 3570 | 3201 | 3407 | 3337 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 992 | 1073 | 973 |
| Zinc | ppm | ASTM D5185m | 1640 | 1194 | 1247 | 1266 |
| Sulfur | ppm | ASTM D5185m | | 3297 | 3678 | 3476 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 58.5 | 52.5 | 56.7 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200288 **Received** : 09 Jan 2024
Lab Number : 06055555 **Diagnosed** : 10 Jan 2024
Unique Number : 10821504 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

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)

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