



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

Machine Id
JOHN DEERE 1DW648LBRNF715341
 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 | | JR0222058 | JR0142346 | --- |
| Sample Date | | Client Info | | 09 Jul 2024 | 03 Jun 2024 | --- |
| Machine Age | hrs | Client Info | | 2546 | 2000 | --- |
| Oil Age | hrs | Client Info | | 0 | 2000 | --- |
| Filter Age | hrs | Client Info | | 0 | 2000 | --- |
| Oil Changed | | Client Info | | N/A | Changed | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | ABNORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| PQ | | ASTM D8184 | >95 | 15 | 12 | --- |
| Iron | ppm | ASTM D5185m | >200 | 8 | 14 | --- |
| 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 | 3 | <1 | --- |
| Lead | ppm | ASTM D5185m | >45 | <1 | <1 | --- |
| Copper | ppm | ASTM D5185m | >225 | 2 | 5 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

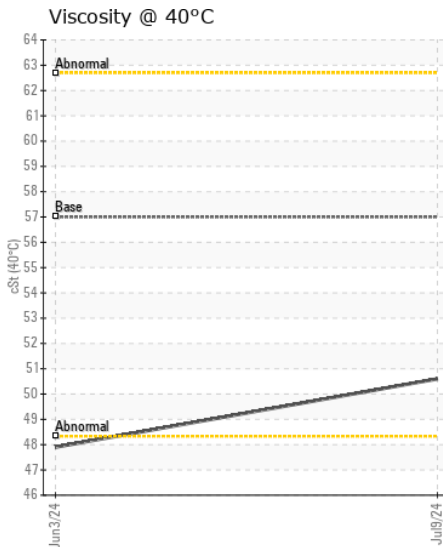
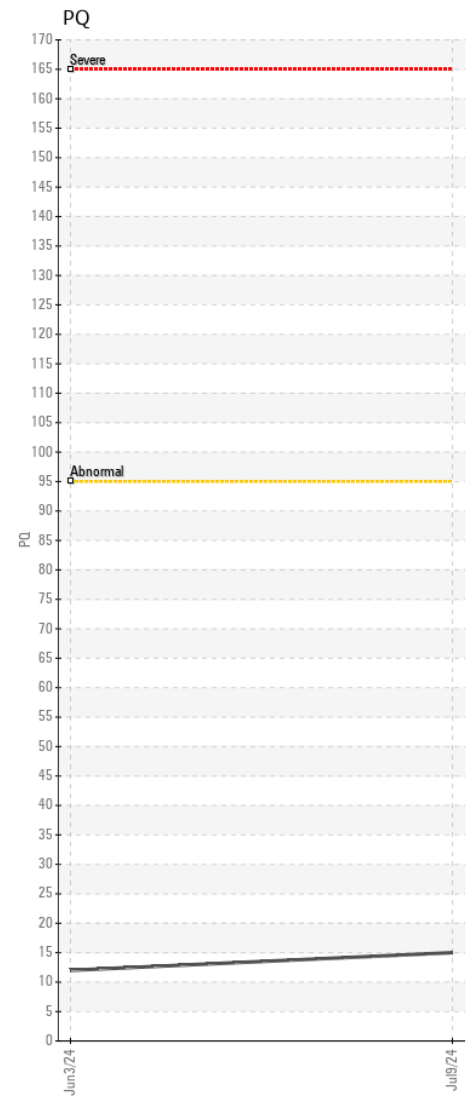
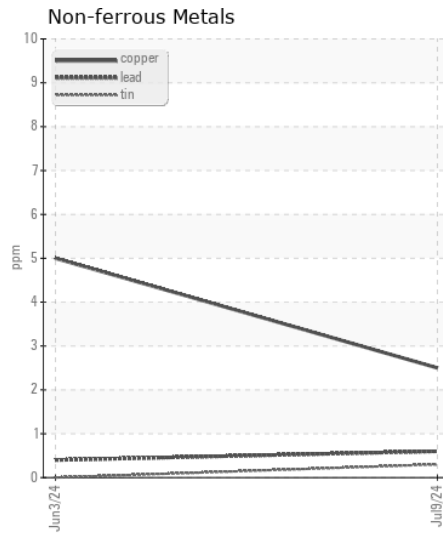
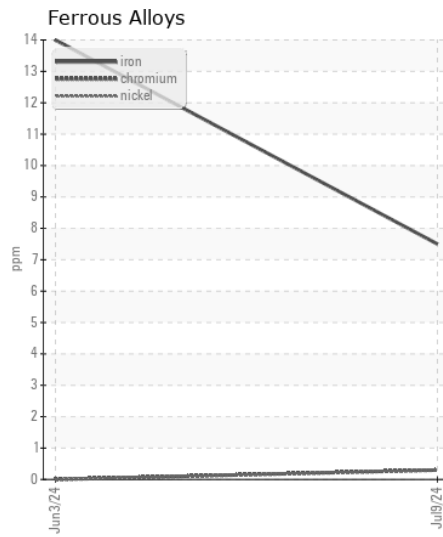
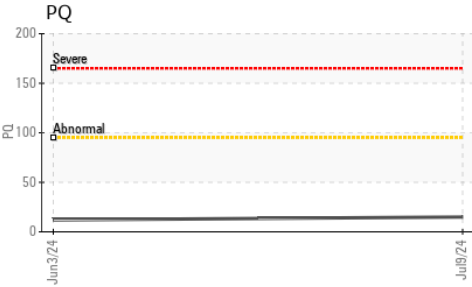
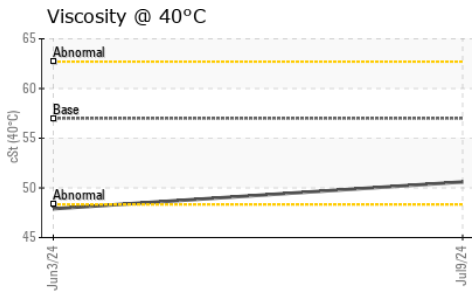
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|--------|-----|
| Silicon | ppm | ASTM D5185m | >125 | 4 | 5 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 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 | ▲ 0.2% | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 0 | 7 | --- |
| Boron | ppm | ASTM D5185m | 6 | <1 | 0 | --- |
| Barium | ppm | ASTM D5185m | 0 | <1 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | 0 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 89 | 79 | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3428 | 3415 | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 914 | 1047 | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1204 | 1211 | --- |
| Sulfur | ppm | ASTM D5185m | | 3419 | 3825 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 50.6 | 47.9 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0222058

Lab Number : 06239350

Unique Number : 11128184

Test Package : CONST (Additional Tests: PQ)

Received : 17 Jul 2024

Tested : 18 Jul 2024

Diagnosed : 18 Jul 2024 - Wes Davis

WILKERSON LOGGING INC

4815 TRIPLE W FARM RD

HICKORY GROVE, SC

US 29717

Contact: Service Manager

wilkersonlogging3@yahoo.com

T: (803)417-3337

F:

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)