



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

Machine Id
JOHN DEERE 844L 1DW844LXVLF705255

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0225439 | JR0195702 | JR0174801 |
| Sample Date | | Client Info | | 08 Jul 2024 | 21 Nov 2023 | 01 Jun 2023 |
| Machine Age | hrs | Client Info | | 4962 | 4464 | 3988 |
| Oil Age | hrs | Client Info | | 4486 | 476 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Chngd | Not Chngd | Changed |
| Filter Changed | | Client Info | | Not Chngd | Not Chngd | Changed |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >20 | 22 | 20 | 33 |
| Chromium | ppm | ASTM D5185m | >10 | 11 | 9 | 14 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >10 | 2 | <1 | 1 |
| Lead | ppm | ASTM D5185m | >10 | 1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >75 | 6 | 6 | 10 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | LIGHT | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

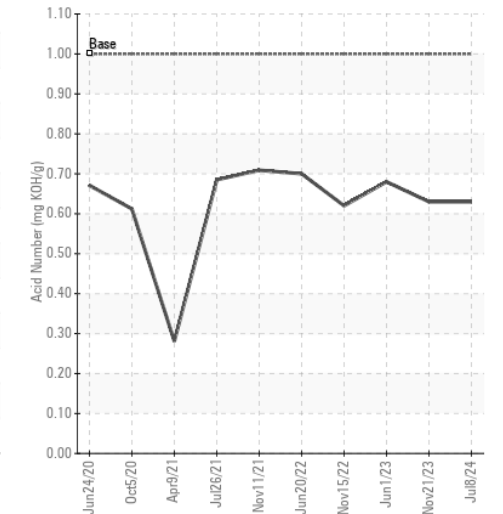
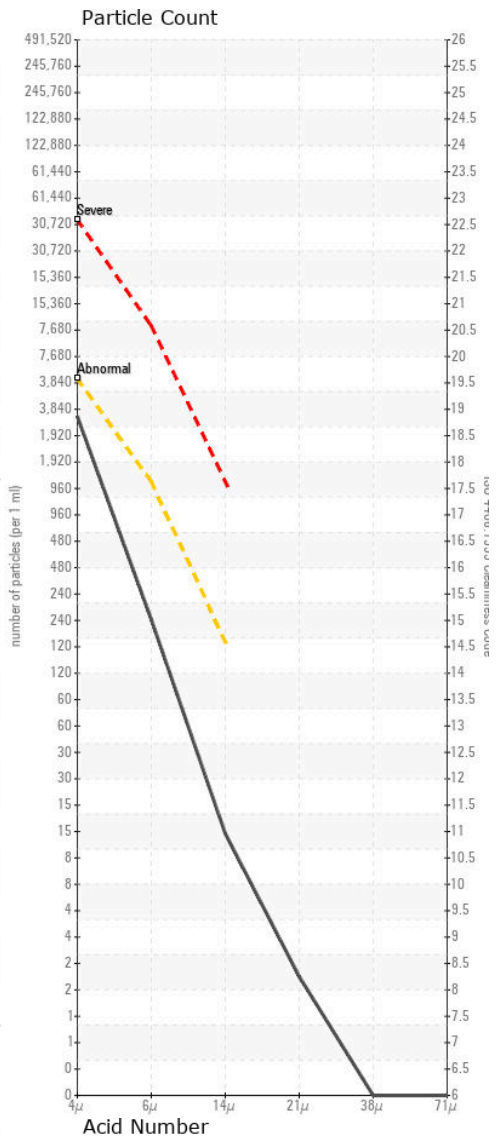
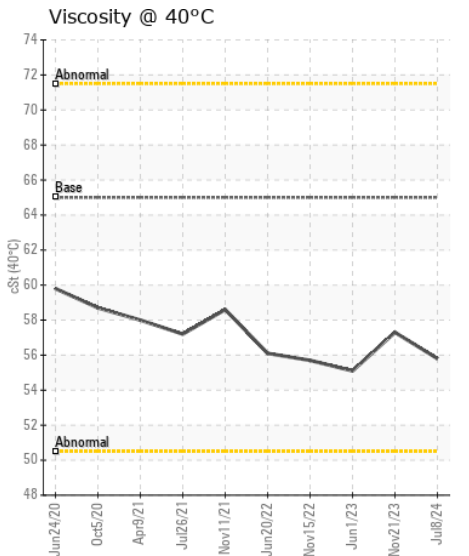
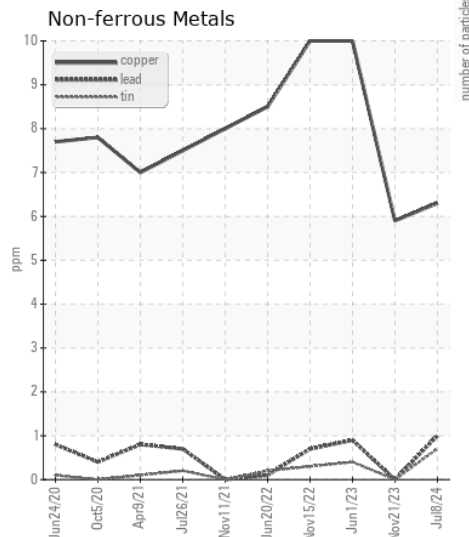
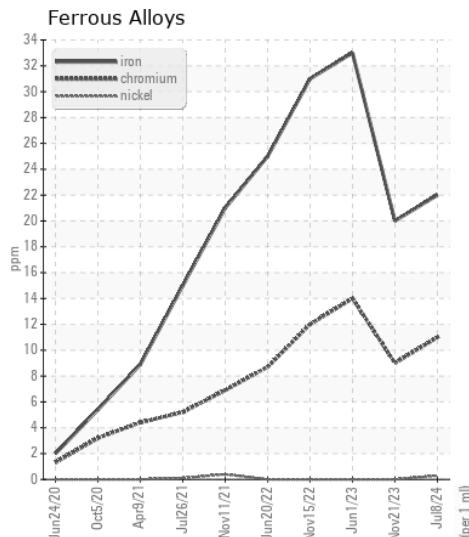
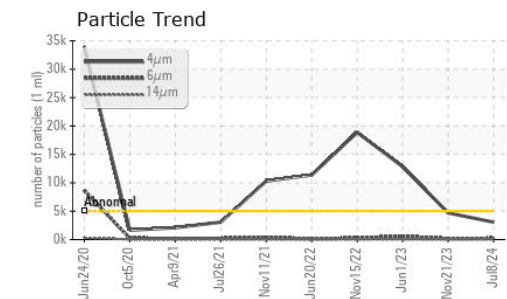
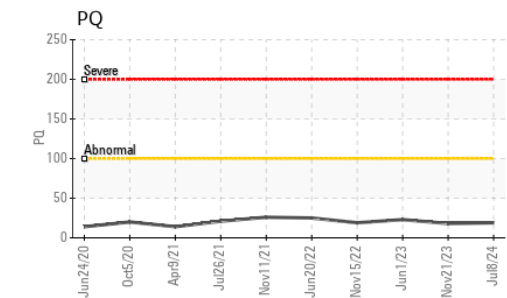
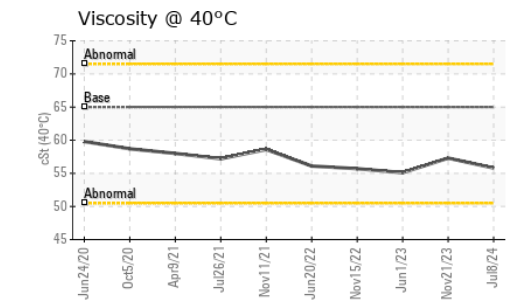
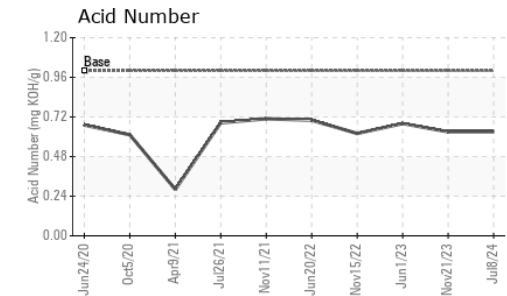
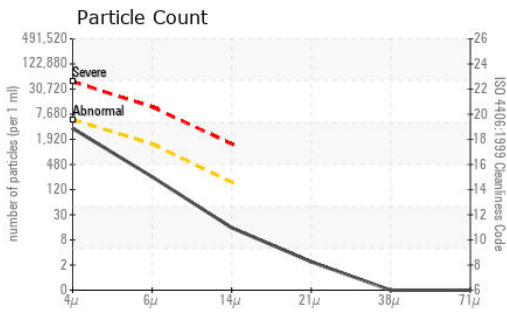
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|----------|------------|
| Silicon | ppm | ASTM D5185m | >20 | 4 | 4 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 3 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >5000 | 3057 | 4697 | ▲ 12828 |
| Particles >6µm | | ASTM D7647 | >1300 | 214 | 155 | 590 |
| Particles >14µm | | ASTM D7647 | >160 | 13 | 14 | 37 |
| Particles >21µm | | ASTM D7647 | >40 | 2 | 4 | 10 |
| Particles >38µm | | ASTM D7647 | >10 | 0 | 0 | 0 |
| Particles >71µm | | ASTM D7647 | >3 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 19/15/11 | 19/14/11 | ▲ 21/16/12 |
| 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 4 | 6 | 3 |
| Boron | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Barium | ppm | ASTM D5185m | | 1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 5 | 0 | 2 |
| Calcium | ppm | ASTM D5185m | 87 | 91 | 87 | 91 |
| Phosphorus | ppm | ASTM D5185m | 727 | 655 | 650 | 610 |
| Zinc | ppm | ASTM D5185m | 900 | 814 | 831 | 787 |
| Sulfur | ppm | ASTM D5185m | 1500 | 1729 | 1569 | 1713 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 0.63 | 0.63 | 0.68 |
| Visc @ 40°C | cSt | ASTM D445 | 65 | 55.8 | 57.3 | 55.1 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225439 **Received** : 09 Jul 2024
Lab Number : 06231381 **Tested** : 10 Jul 2024
Unique Number : 11114874 **Diagnosed** : 10 Jul 2024 - Don Baldrige
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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