



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



Area
[W52622]
 Machine Id
JOHN DEERE 750K 1T0750KXJJF325580
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- GAL)

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 | | JR0224955 | JR0166050 | JR0148471 |
| Sample Date | | Client Info | | 25 Jun 2024 | 17 Aug 2023 | 09 Dec 2022 |
| Machine Age | hrs | Client Info | | 3466 | 2958 | 2457 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Chngd | Not Chngd | Not Chngd |
| Filter Changed | | Client Info | | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | | | | ATTENTION | ATTENTION | ATTENTION |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| PQ | | ASTM D8184 | >50 | 17 | 14 | 8 |
| Iron | ppm | ASTM D5185m | >23 | 0 | 4 | 2 |
| Chromium | ppm | ASTM D5185m | >9 | <1 | 1 | 0 |
| Nickel | ppm | ASTM D5185m | >5 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 2 | 0 |
| Aluminum | ppm | ASTM D5185m | >9 | 3 | 4 | 2 |
| Lead | ppm | ASTM D5185m | >28 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >51 | <1 | 2 | <1 |
| Tin | ppm | ASTM D5185m | >5 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

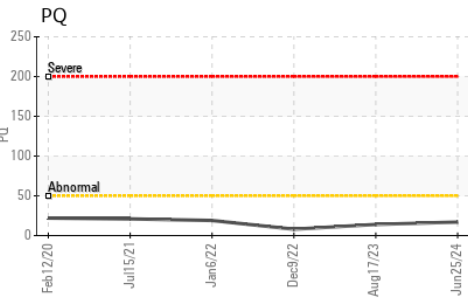
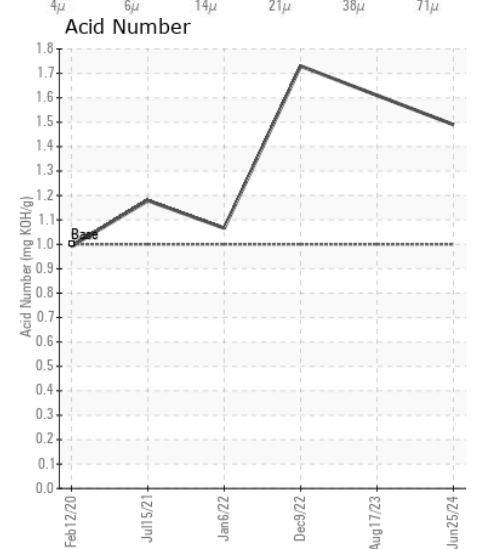
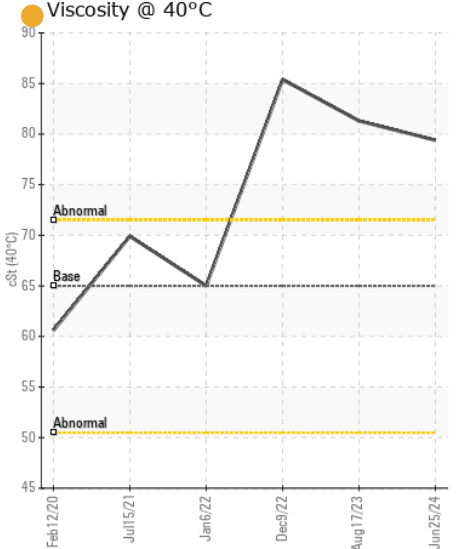
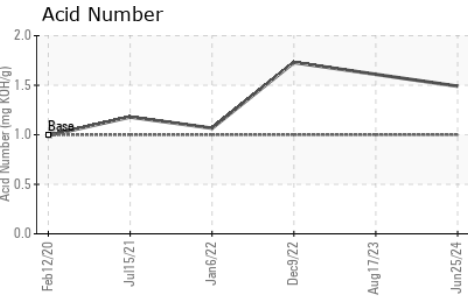
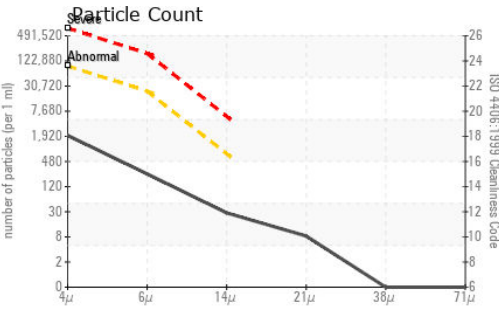
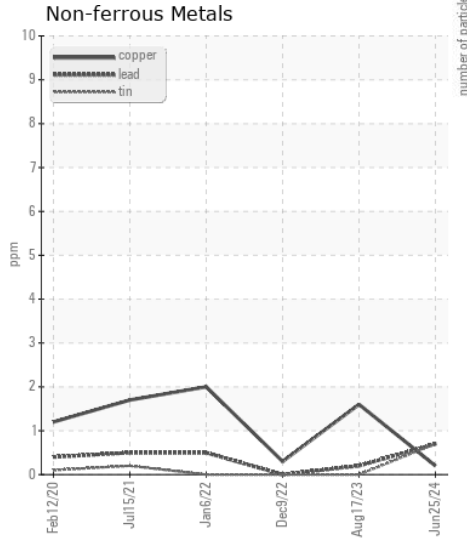
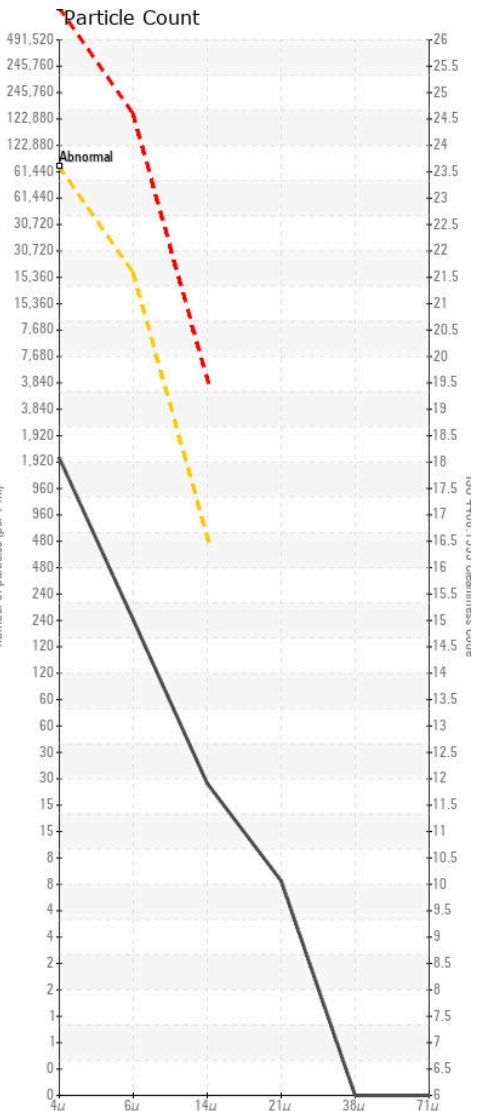
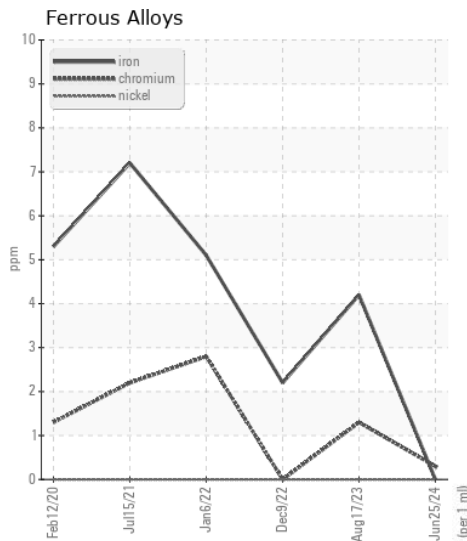
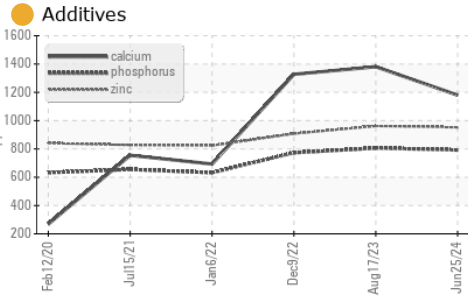
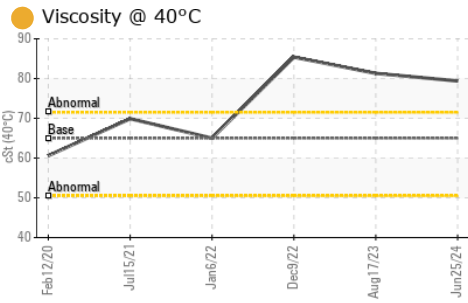
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >31 | 6 | 6 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 2 | 1 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >80000 | 1771 | 26551 | 6417 |
| Particles >6µm | | ASTM D7647 | >20000 | 213 | 431 | 351 |
| Particles >14µm | | ASTM D7647 | >640 | 25 | 17 | 11 |
| Particles >21µm | | ASTM D7647 | >160 | 7 | 7 | 3 |
| Particles >38µm | | ASTM D7647 | >40 | 0 | 1 | 0 |
| Particles >71µm | | ASTM D7647 | >10 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >23/21/16 | 18/15/12 | 22/16/11 | 20/16/11 |
| 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 | >0.075 | NEG | NEG | NEG |

FLUID CONDITION

The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

| | | | | | | |
|------------------|----------|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | >21 | 0 | 0 | 0 |
| Boron | ppm | ASTM D5185m | | 283 | 399 | 341 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 63 | 108 | 101 |
| Manganese | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m | | 304 | 478 | 444 |
| Calcium | ppm | ASTM D5185m | 87 | 1180 | 1381 | 1327 |
| Phosphorus | ppm | ASTM D5185m | 727 | 792 | 806 | 773 |
| Zinc | ppm | ASTM D5185m | 900 | 952 | 962 | 908 |
| Sulfur | ppm | ASTM D5185m | 1500 | 2887 | 3027 | 3250 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 1.49 | 1.61 | 1.73 |
| Visc @ 40°C | cSt | ASTM D445 | 65 | 79.4 | 81.3 | 85.4 |



Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224955 **Received** : 01 Jul 2024
Lab Number : 06224452 **Tested** : 02 Jul 2024
Unique Number : 11102649 **Diagnosed** : 02 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

HENDERSON INC
 5806 MOORETOWN RD
 WILLIAMSBURG, VA
 US 23188
 Contact: TERRY THOMPSON
 terry@hendersoninc.com
 T: (757)603-0418
 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)