



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

Machine Id
JOHN DEERE 136
 Component
Hydraulic System
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0189717 | JR0189883 | JR0189726 |
| Sample Date | | Client Info | | 29 Apr 2024 | 12 Mar 2024 | 18 Jan 2024 |
| Machine Age | hrs | Client Info | | 3505 | 3028 | 2545 |
| Oil Age | hrs | Client Info | | 3505 | 3028 | 2545 |
| Filter Age | hrs | Client Info | | 1500 | 3028 | 2545 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | ATTENTION |

WEAR

All component wear rates are normal.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 11 | 15 | 13 |
| Iron | ppm | ASTM D5185m | >20 | 0 | 1 | 3 |
| Chromium | ppm | ASTM D5185m | >10 | 4 | 3 | 3 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | 0 | 2 |
| Lead | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >75 | <1 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

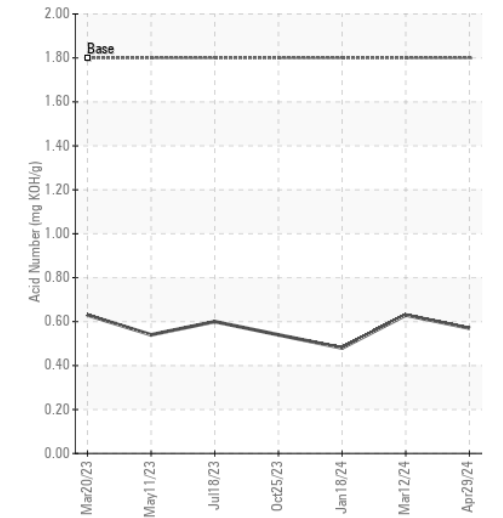
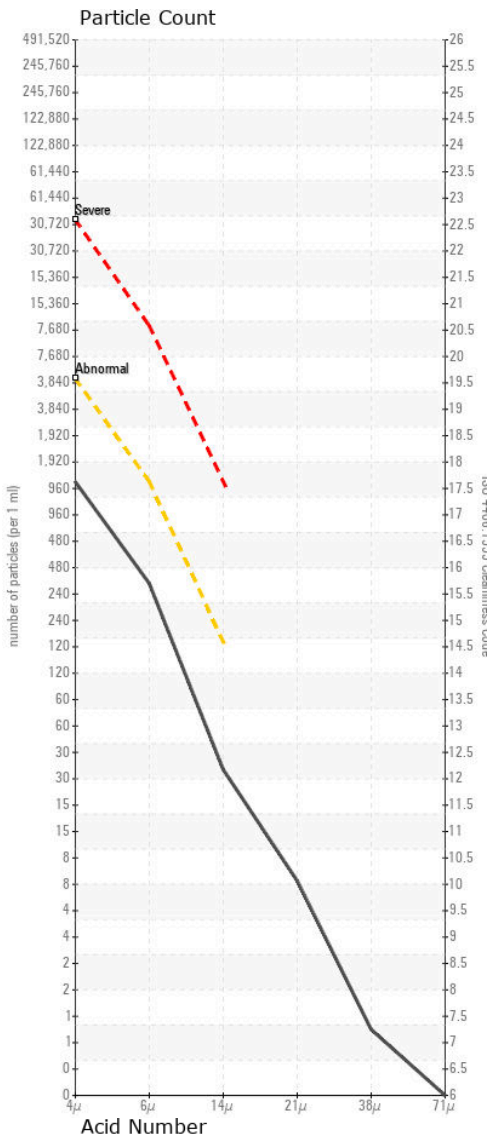
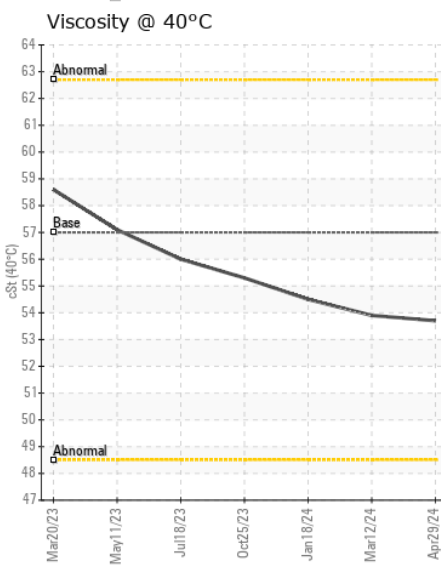
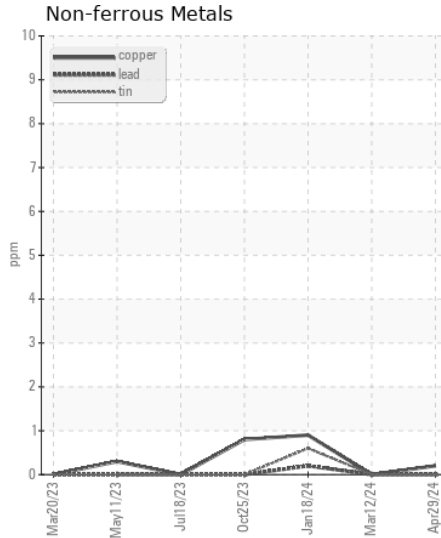
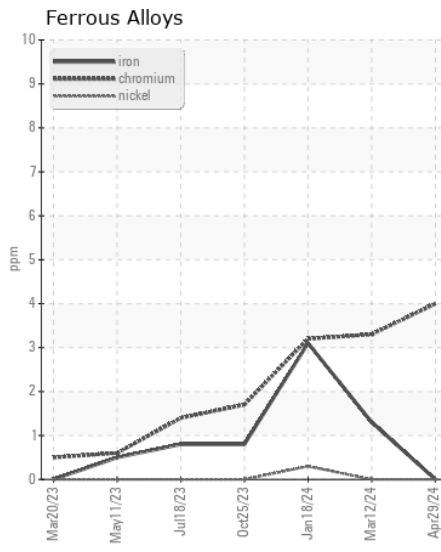
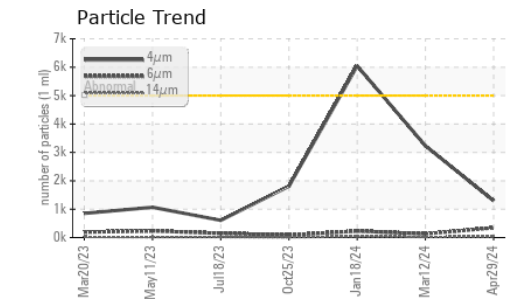
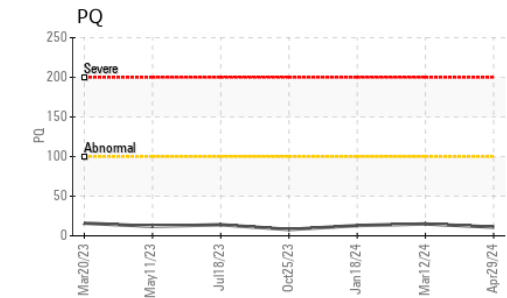
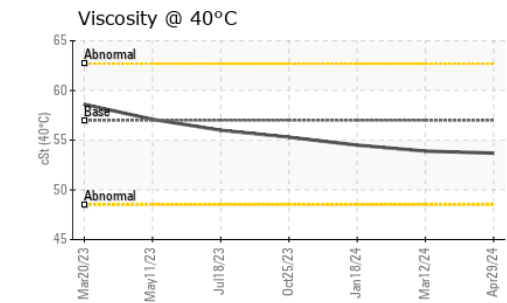
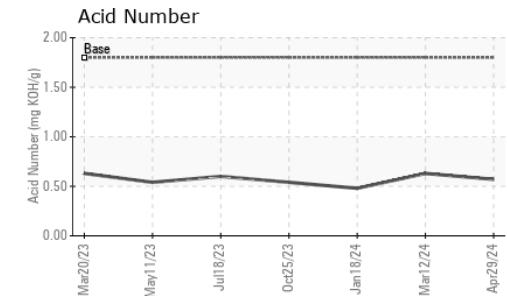
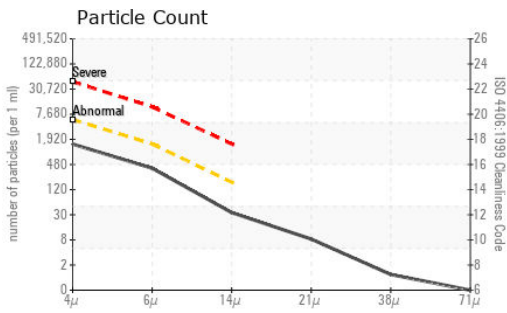
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >20 | <1 | 2 | 3 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 0 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >5000 | 1296 | 3232 | 6046 |
| Particles >6µm | | ASTM D7647 | >1300 | 343 | 128 | 231 |
| Particles >14µm | | ASTM D7647 | >160 | 30 | 17 | 30 |
| Particles >21µm | | ASTM D7647 | >40 | 7 | 6 | 9 |
| Particles >38µm | | ASTM D7647 | >10 | 1 | 0 | 1 |
| Particles >71µm | | ASTM D7647 | >3 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 17/16/12 | 19/14/11 | 20/15/12 |
| 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 | 3 | 0 |
| Boron | ppm | ASTM D5185m | 6 | 20 | 23 | 25 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | 1 |
| Manganese | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | 145 | 8 | 7 | 10 |
| Calcium | ppm | ASTM D5185m | 3570 | 1034 | 919 | 889 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 803 | 786 | 784 |
| Zinc | ppm | ASTM D5185m | 1640 | 997 | 979 | 1006 |
| Sulfur | ppm | ASTM D5185m | | 3359 | 3318 | 3246 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.8 | 0.57 | 0.63 | 0.48 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 53.7 | 53.9 | 54.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0189717 **Received** : 03 Jun 2024
Lab Number : 06197529 **Tested** : 04 Jun 2024
Unique Number : 11059652 **Diagnosed** : 04 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

THE SCOTTS COMPANY
 3175 BRIGHT LEAF RD
 LAWRENCEVILLE, VA
 US 23868
 Contact: REX WATSON

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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