



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



Area
[W65767]
 Machine Id
JOHN DEERE 672GP 1DW672GPEMF710668
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (14 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W65767)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0206736 | JR0170936 | --- |
| Sample Date | | Client Info | | 09 Apr 2024 | 12 Jul 2023 | --- |
| Machine Age | hrs | Client Info | | 1980 | 1484 | --- |
| Oil Age | hrs | Client Info | | 1980 | 1484 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Not Changd | Not Changd | --- |
| Filter Changed | | Client Info | | Changed | Not Changd | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| PQ | | ASTM D8184 | >50 | 16 | 11 | --- |
| Iron | ppm | ASTM D5185m | >71 | 13 | 9 | --- |
| Chromium | ppm | ASTM D5185m | >11 | 3 | 2 | --- |
| Nickel | ppm | ASTM D5185m | >6 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | 1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >11 | 5 | 6 | --- |
| Lead | ppm | ASTM D5185m | >13 | 2 | <1 | --- |
| Copper | ppm | ASTM D5185m | >21 | 12 | 10 | --- |
| Tin | ppm | ASTM D5185m | >5 | 1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

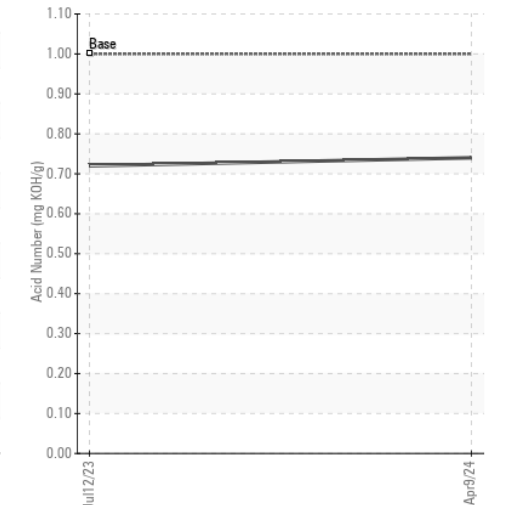
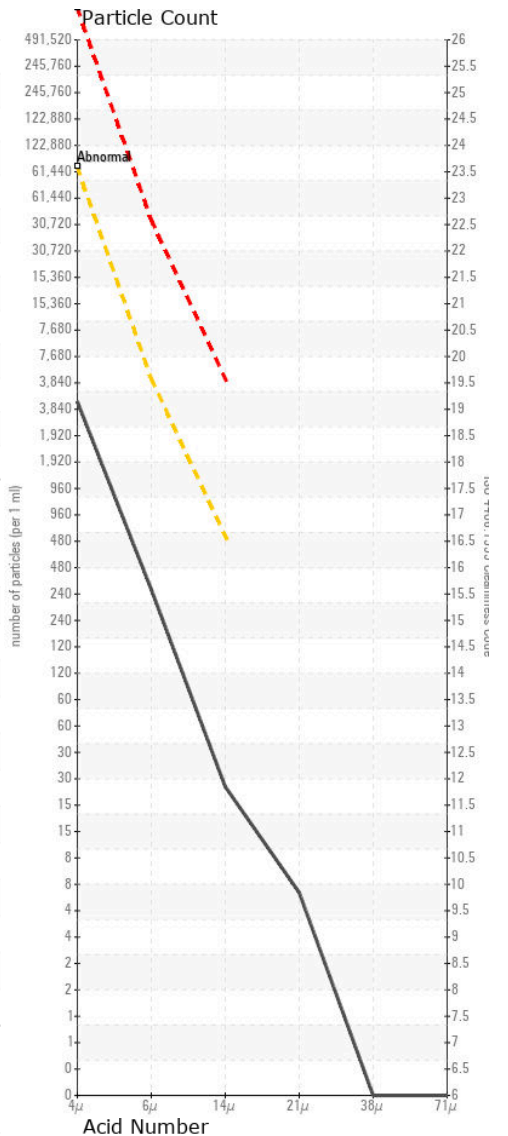
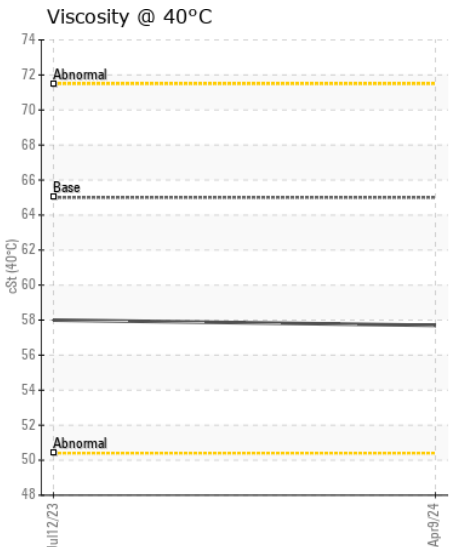
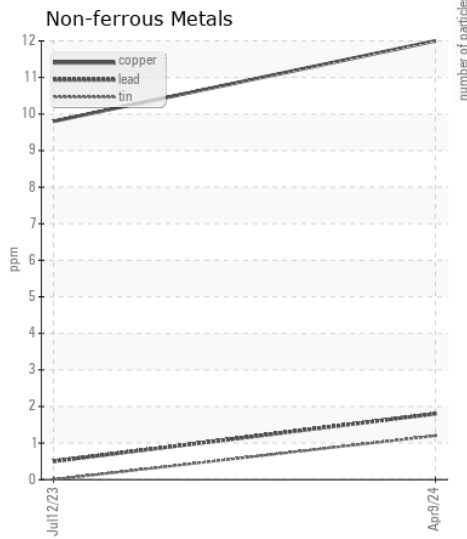
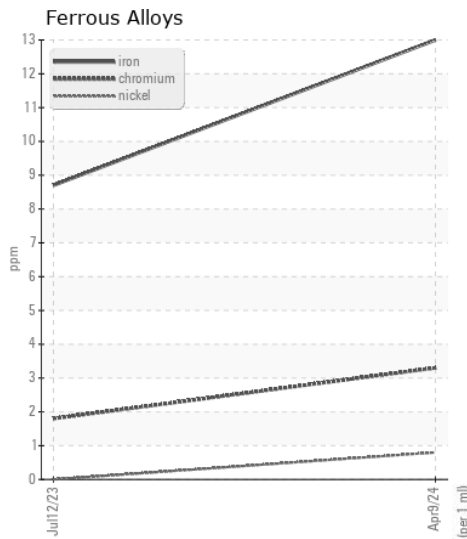
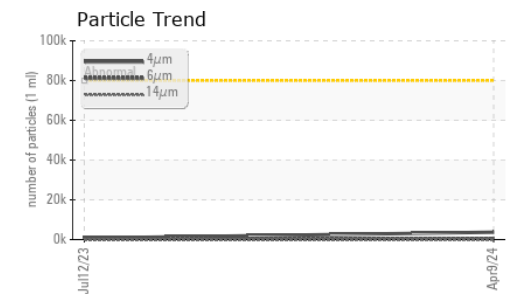
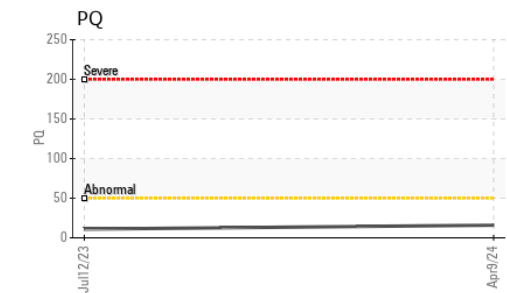
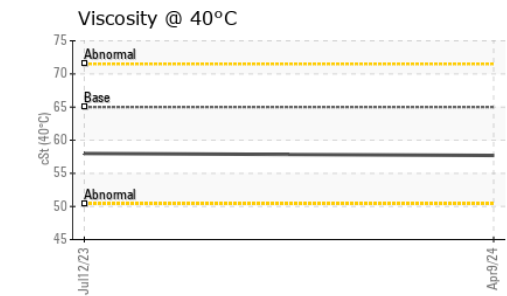
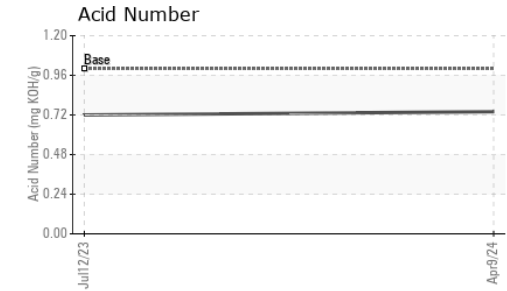
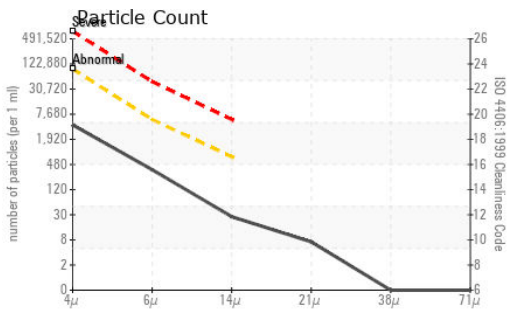
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|----------|-----|
| Silicon | ppm | ASTM D5185m | >24 | 10 | 7 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 7 | 6 | --- |
| Water | | WC Method | >0.075 | NEG | NEG | --- |
| Particles >4µm | | ASTM D7647 | >80000 | 3711 | 720 | --- |
| Particles >6µm | | ASTM D7647 | >5000 | 317 | 157 | --- |
| Particles >14µm | | ASTM D7647 | >640 | 24 | 13 | --- |
| Particles >21µm | | ASTM D7647 | >160 | 6 | 4 | --- |
| Particles >38µm | | ASTM D7647 | >40 | 0 | 0 | --- |
| Particles >71µm | | ASTM D7647 | >10 | 0 | 0 | --- |
| Oil Cleanliness | | ISO 4406 (c) | >23/19/16 | 19/15/12 | 17/14/11 | --- |
| 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 | >0.075 | 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 | >21 | 0 | 0 | --- |
| Boron | ppm | ASTM D5185m | | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 1 | <1 | --- |
| Manganese | ppm | ASTM D5185m | | 1 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | | 5 | 3 | --- |
| Calcium | ppm | ASTM D5185m | 87 | 137 | 116 | --- |
| Phosphorus | ppm | ASTM D5185m | 727 | 654 | 590 | --- |
| Zinc | ppm | ASTM D5185m | 900 | 832 | 853 | --- |
| Sulfur | ppm | ASTM D5185m | 1500 | 1824 | 1725 | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 0.74 | 0.72 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 65 | 57.7 | 58.0 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0206736 Received : 12 Apr 2024
 Lab Number : 06147226 Tested : 15 Apr 2024
 Unique Number : 10977304 Diagnosed : 16 Apr 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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