



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

Machine Id
JOHN DEERE 624P C203827 (S/N 1DW624PAKMLZ10401)

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0223403 | JR0118654 | JR0094411 |
| Sample Date | | Client Info | | 30 Jun 2024 | 19 Apr 2022 | 05 Oct 2021 |
| Machine Age | hrs | Client Info | | 3429 | 1562 | 894 |
| Oil Age | hrs | Client Info | | 0 | 500 | 894 |
| Filter Age | hrs | Client Info | | 0 | 500 | 894 |
| Oil Changed | | Client Info | | N/A | Changed | Not Changed |
| Filter Changed | | Client Info | | N/A | Changed | Not Changed |
| Sample Status | | | | ABNORMAL | ATTENTION | NORMAL |

WEAR

All component wear rates are normal.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >20 | 0 | 3 | 2 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | 2 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | 1 | 5 |
| Lead | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >75 | 0 | <1 | 1 |
| Tin | ppm | ASTM D5185m | >10 | <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

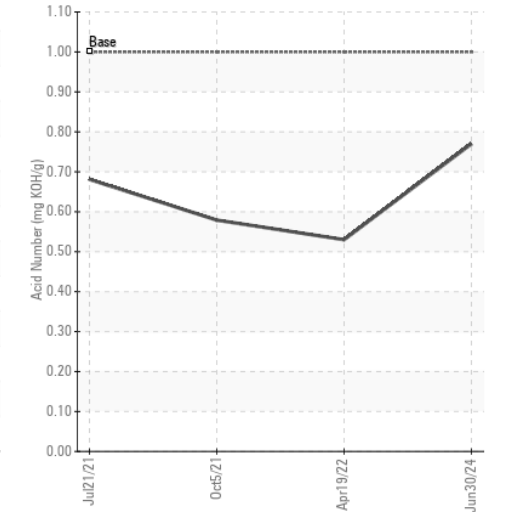
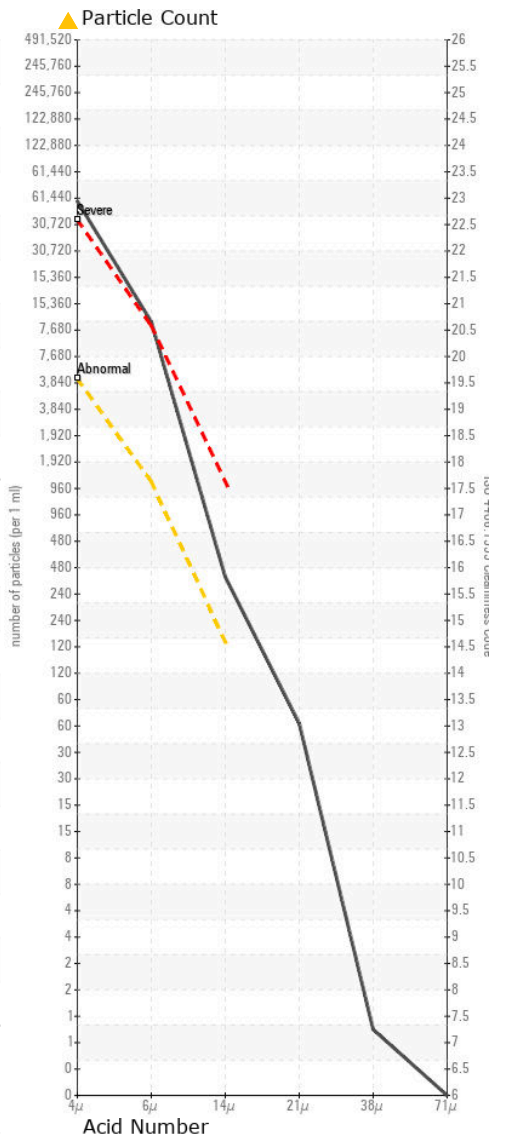
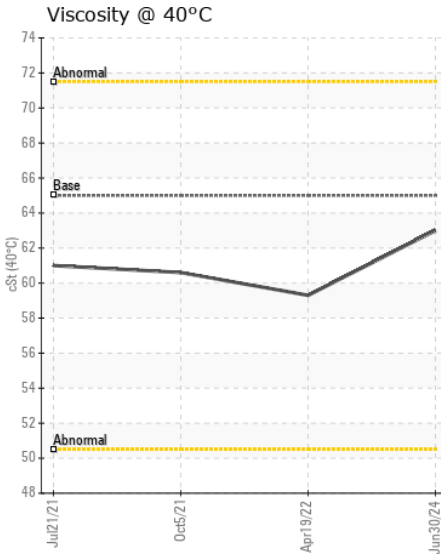
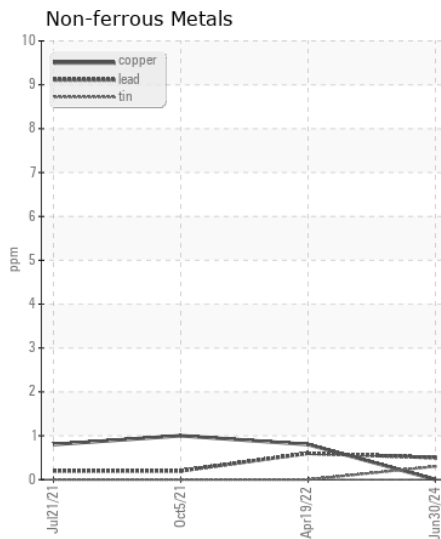
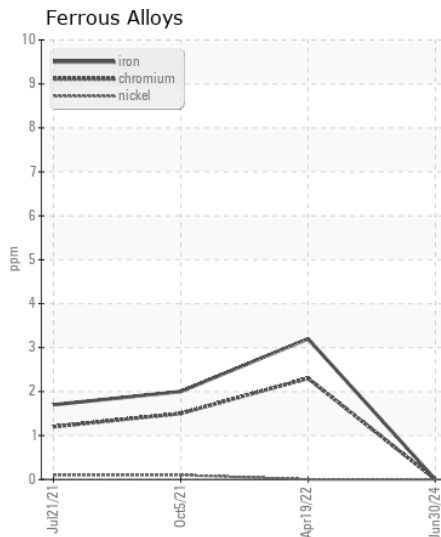
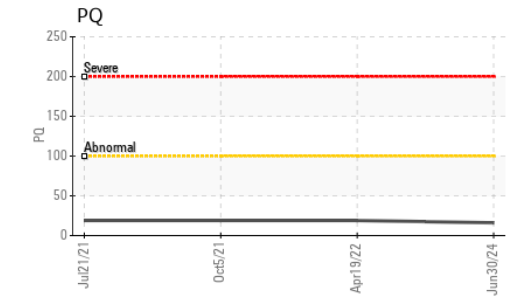
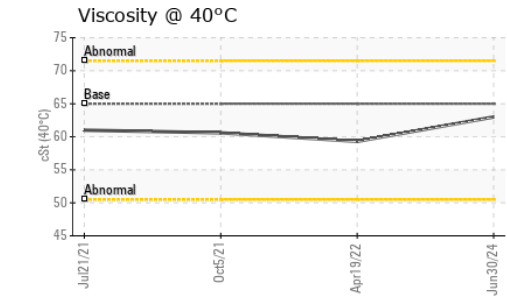
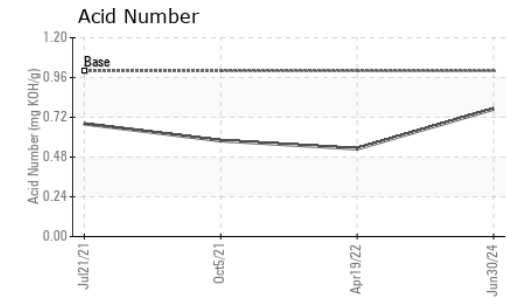
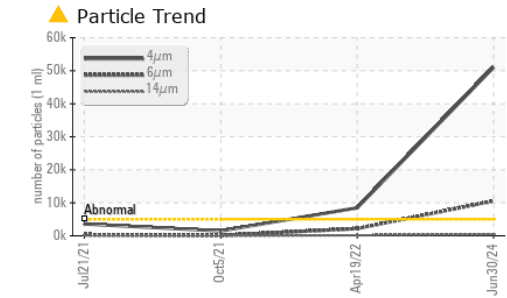
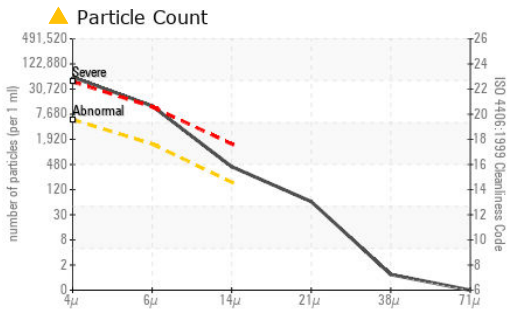
There is a high amount of particulates present in the oil.

| | | | | | | |
|------------------|--------|--------------|-----------|-------------------|------------|----------|
| Silicon | ppm | ASTM D5185m | >20 | <1 | 2 | 1 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 3 | 5 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >5000 | ▲ 51044 | ● 8465 | 1484 |
| Particles >6µm | | ASTM D7647 | >1300 | ▲ 10541 | ● 2174 | 140 |
| Particles >14µm | | ASTM D7647 | >160 | ▲ 374 | 150 | 10 |
| Particles >21µm | | ASTM D7647 | >40 | ▲ 55 | 28 | 1 |
| Particles >38µm | | ASTM D7647 | >10 | 1 | 2 | 0 |
| Particles >71µm | | ASTM D7647 | >3 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | ▲ 23/21/16 | ● 20/18/14 | 18/14/10 |
| 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 | | 0 | 3 | 1 |
| Boron | ppm | ASTM D5185m | | 0 | 1 | <1 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m | | 0 | <1 | 2 |
| Calcium | ppm | ASTM D5185m | 87 | 86 | 113 | 107 |
| Phosphorus | ppm | ASTM D5185m | 727 | 719 | 610 | 672 |
| Zinc | ppm | ASTM D5185m | 900 | 948 | 770 | 866 |
| Sulfur | ppm | ASTM D5185m | 1500 | 1973 | 1442 | 1540 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 0.77 | 0.53 | 0.579 |
| Visc @ 40°C | cSt | ASTM D445 | 65 | 63.0 | 59.3 | 60.6 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0223403 **Received** : 01 Jul 2024
Lab Number : 06224439 **Tested** : 02 Jul 2024
Unique Number : 11102636 **Diagnosed** : 02 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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