



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



Machine Id
JOHN DEERE 624K 1DW624KZVGF678340
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0210141 | JR0184780 | JR0159777 |
| Sample Date | | Client Info | | 16 Apr 2024 | 06 Oct 2023 | 17 Mar 2023 |
| Machine Age | hrs | Client Info | | 8973 | 8529 | 8027 |
| Oil Age | hrs | Client Info | | 8027 | 0 | 0 |
| Filter Age | hrs | Client Info | | 8027 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | Not Changd | Changed |
| Filter Changed | | Client Info | | Changed | Not Changd | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 9 | 20 | 16 |
| Iron | ppm | ASTM D5185m | >500 | 42 | 15 | 99 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 0 | 1 |
| Lead | ppm | ASTM D5185m | >25 | 9 | 19 | 28 |
| Copper | ppm | ASTM D5185m | >100 | 25 | 6 | 73 |
| Tin | ppm | ASTM D5185m | >10 | 2 | <1 | 5 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

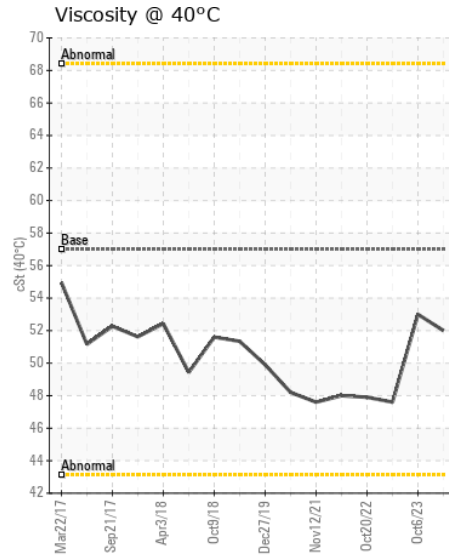
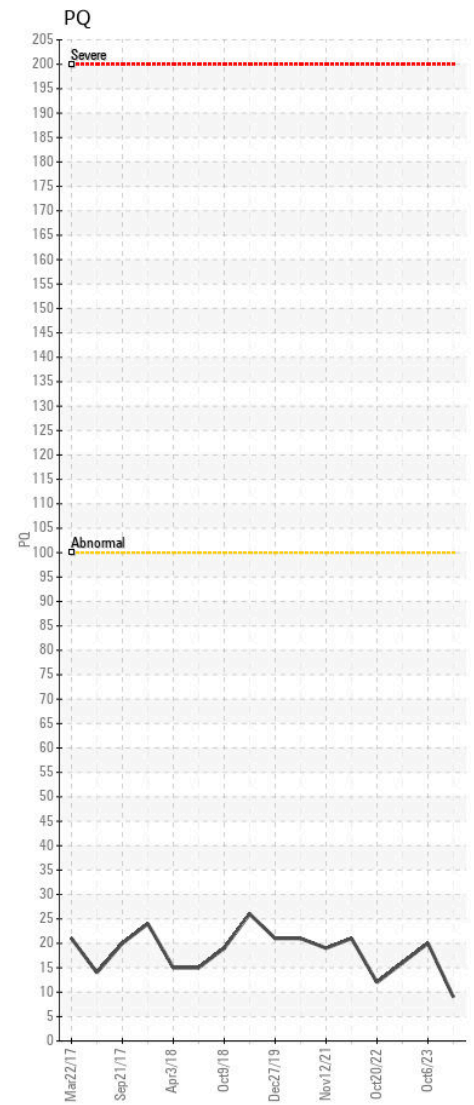
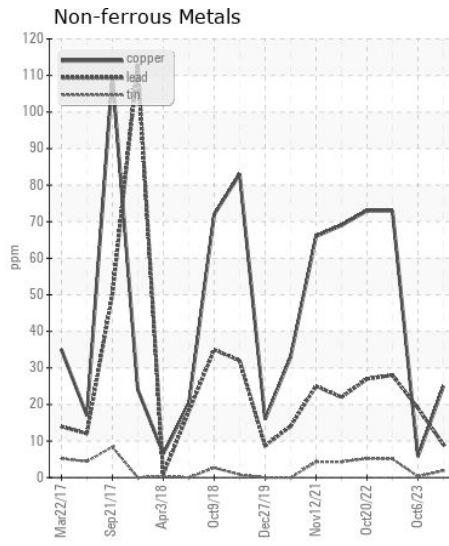
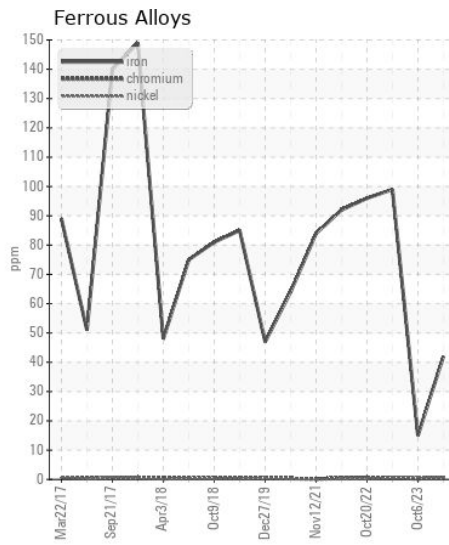
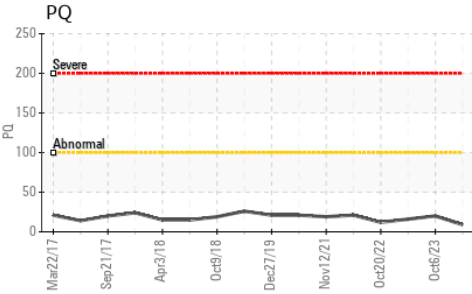
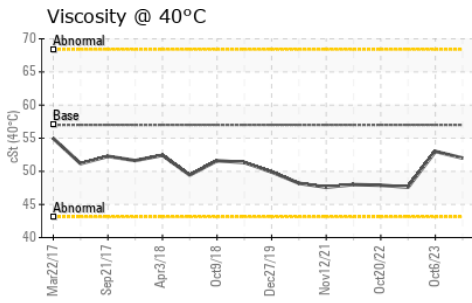
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 7 | 4 | 7 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 3 | 2 |
| Water | | WC Method | >.2 | NEG | NEG | NEG |
| 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 | >.2 | NEG | NEG | NEG |

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|------|-------------|------|------|
| Sodium | ppm | ASTM D5185m | | 0 | 0 | 6 |
| Boron | ppm | ASTM D5185m | 6 | 12 | 11 | 6 |
| Barium | ppm | ASTM D5185m | 0 | 2 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 13 | 13 | 6 |
| Manganese | ppm | ASTM D5185m | | 1 | <1 | 1 |
| Magnesium | ppm | ASTM D5185m | 145 | 125 | 135 | 106 |
| Calcium | ppm | ASTM D5185m | 3570 | 3142 | 3156 | 3371 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1053 | 1010 | 1053 |
| Zinc | ppm | ASTM D5185m | 1640 | 1173 | 1251 | 1279 |
| Sulfur | ppm | ASTM D5185m | | 3878 | 3806 | 4778 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 52.0 | 53.0 | 47.6 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210141 **Received** : 18 Apr 2024
Lab Number : 06153413 **Tested** : 19 Apr 2024
Unique Number : 10983491 **Diagnosed** : 19 Apr 2024 - Wes Davis
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)

JRE - STEPHENSON
 245 YARDMASTER COURT
 STEPHENSON, VA
 US 22656-1761
 Contact: PHIL DAUGHERTY
 pdaugherty@jamesriverequipment.com
 T: x:
 F: (540)693-2588