



OIL ANALYSIS REPORT

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

Machine Id
JOHN DEERE 824L 1DW824LKCKL697341
 Component
Transmission (Auto)
 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 | | WE0006298 | WE0002341 | WE0001727 |
| Sample Date | | Client Info | | 20 Feb 2024 | 06 Oct 2022 | 12 Jul 2022 |
| Machine Age | hrs | Client Info | | 4951 | 3551 | 2977 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| PQ | | ASTM D8184 | >50 | 14 | --- | --- |
| Iron | ppm | ASTM D5185m | >160 | 31 | 32 | 28 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Aluminum | ppm | ASTM D5185m | >50 | <1 | 3 | 1 |
| Lead | ppm | ASTM D5185m | >50 | <1 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >225 | 21 | 22 | 20 |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

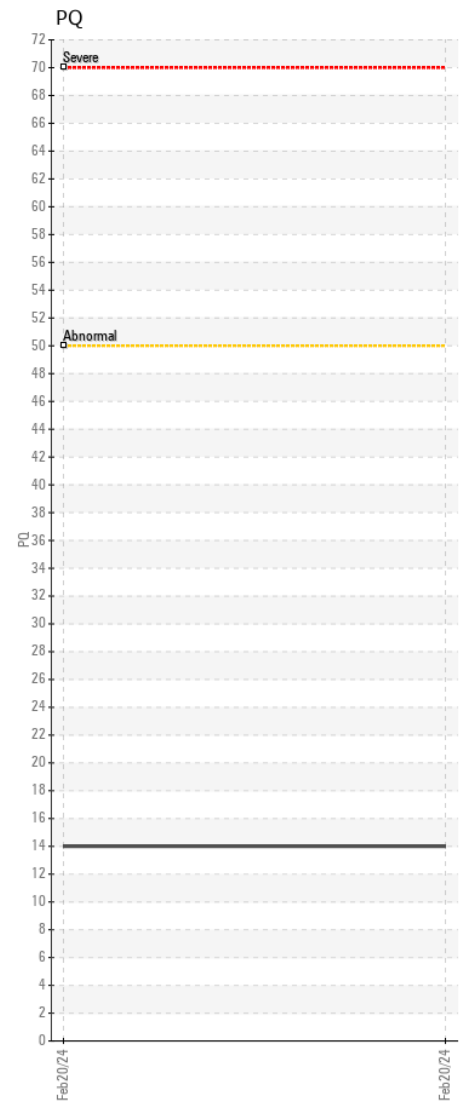
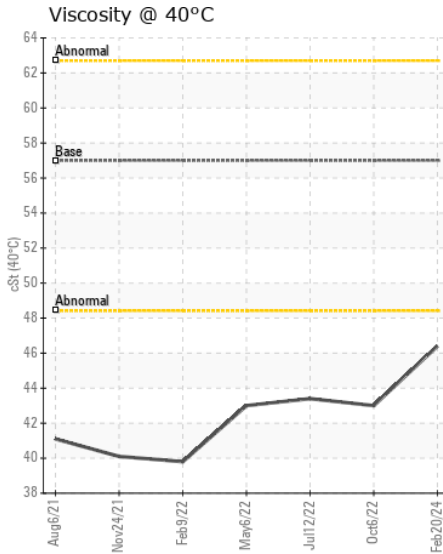
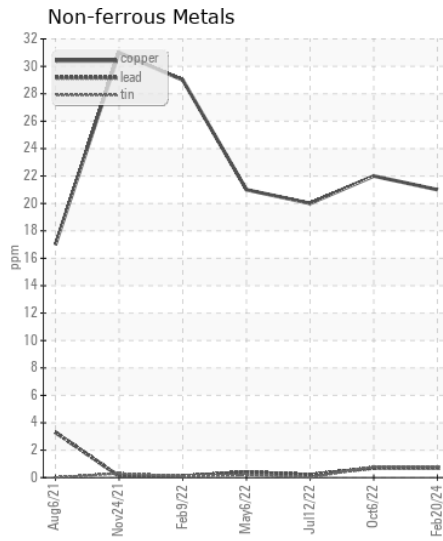
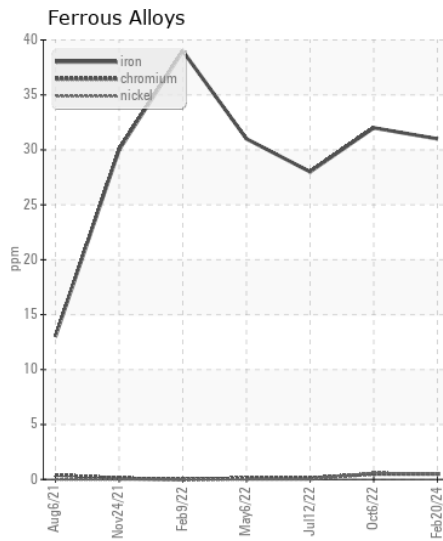
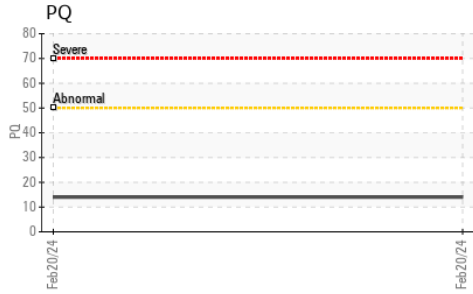
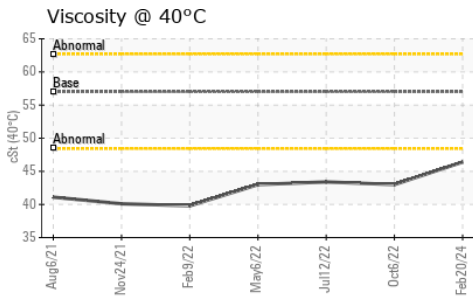
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >20 | 12 | 15 | 12 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 0 |
| Water | | WC Method | >0.1 | 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 | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|-------------|------|------|
| Sodium | ppm | ASTM D5185m | | 3 | 15 | 16 |
| Boron | ppm | ASTM D5185m | 6 | 3 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 0 | 5 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185m | 0 | 2 | 2 | 1 |
| Manganese | ppm | ASTM D5185m | | 1 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | 145 | 86 | 87 | 85 |
| Calcium | ppm | ASTM D5185m | 3570 | 3070 | 3241 | 3272 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 963 | 1028 | 972 |
| Zinc | ppm | ASTM D5185m | 1640 | 1155 | 1208 | 1136 |
| Sulfur | ppm | ASTM D5185m | | 3465 | 3933 | 4046 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 46.4 | 43.0 | 43.4 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006298 **Received** : 22 Feb 2024
Lab Number : 06097927 **Tested** : 23 Feb 2024
Unique Number : 10896157 **Diagnosed** : 25 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)