



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

Area
[45497]
 Machine Id
JOHN DEERE 700L 1T0700LXLNF422061
 Component
Right Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0208435 | JR0196107 | JR0183851 |
| Sample Date | | Client Info | | 18 Mar 2024 | 13 Dec 2023 | 11 Sep 2023 |
| Machine Age | hrs | Client Info | | 2445 | 2445 | 1951 |
| Oil Age | hrs | Client Info | | 1951 | 494 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Changed |
| Filter Changed | | Client Info | | N/A | None | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|------|
| PQ | | ASTM D8184 | >1250 | 110 | 103 | 64 |
| Iron | ppm | ASTM D5185m | >750 | 120 | 83 | 68 |
| Chromium | ppm | ASTM D5185m | >9 | 4 | 1 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 2 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 21 | 9 | 3 |
| Lead | ppm | ASTM D5185m | >15 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >40 | <1 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

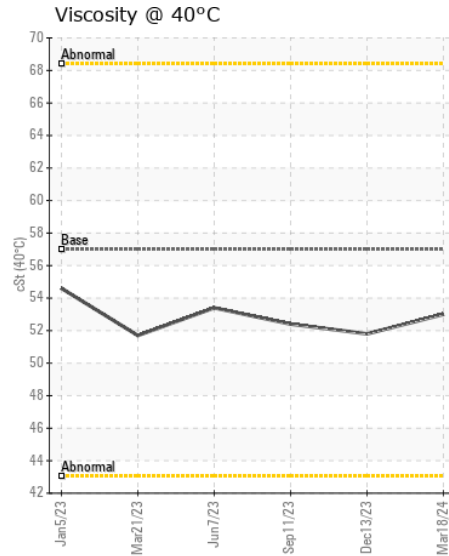
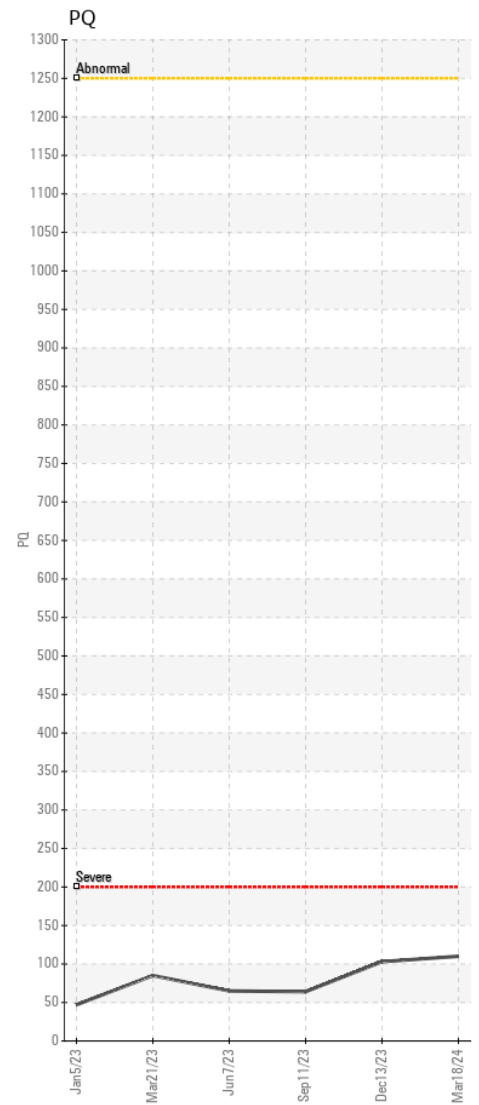
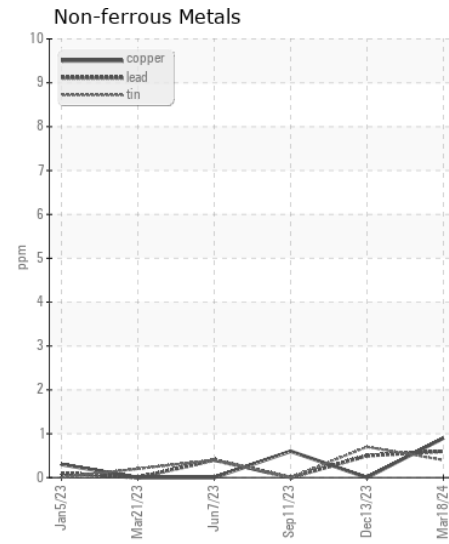
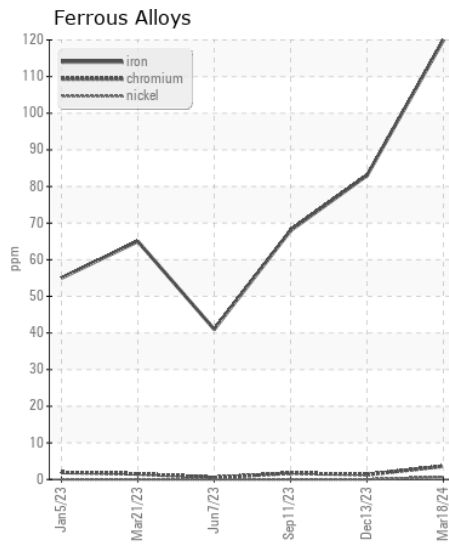
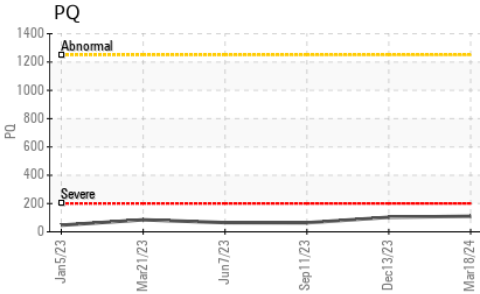
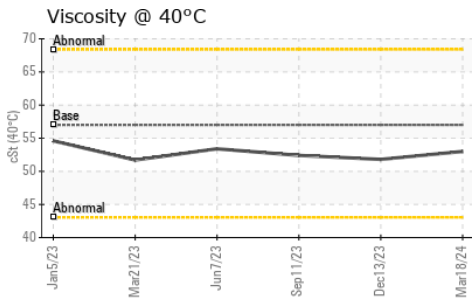
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 64 | 31 | 16 |
| Potassium | ppm | ASTM D5185m | >20 | 8 | 2 | 3 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | LIGHT | 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 | >0.075 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|-------------|------|------|
| Sodium | ppm | ASTM D5185m | >51 | 2 | 2 | 4 |
| Boron | ppm | ASTM D5185m | 6 | 5 | 8 | 7 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 7 | 5 | 4 |
| Manganese | ppm | ASTM D5185m | | 3 | 2 | 2 |
| Magnesium | ppm | ASTM D5185m | 145 | 115 | 101 | 118 |
| Calcium | ppm | ASTM D5185m | 3570 | 3568 | 3329 | 3536 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 976 | 934 | 1042 |
| Zinc | ppm | ASTM D5185m | 1640 | 1245 | 1135 | 1252 |
| Sulfur | ppm | ASTM D5185m | | 3764 | 3624 | 4398 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 53.0 | 51.8 | 52.4 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0208435 **Received** : 20 Mar 2024
Lab Number : 06123964 **Tested** : 21 Mar 2024
Unique Number : 10938115 **Diagnosed** : 21 Mar 2024 - Wes Davis
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)