



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



Machine Id
JOHN DEERE 310SJ 44 (S/N T0310SJ146542)
 Component
Front Left Planetary
 Fluid
NOT GIVEN (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0191868 | JR0115579 | JRMC466346 |
| Sample Date | | Client Info | | 27 Feb 2024 | 06 Sep 2022 | 04 May 2020 |
| Machine Age | hrs | Client Info | | 3723 | 3211 | 3211 |
| Oil Age | hrs | Client Info | | 3723 | 3211 | 932 |
| Filter Age | hrs | Client Info | | 3723 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|-------|
| PQ | | ASTM D8184 | | 58 | 34 | 47 |
| Iron | ppm | ASTM D5185m | >500 | 193 | 119 | 158 |
| Chromium | ppm | ASTM D5185m | >10 | 3 | 3 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 2 | 2 | 2 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >25 | <1 | 3 | <1 |
| Copper | ppm | ASTM D5185m | >75 | 3 | 2 | 1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 2 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | MODER | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

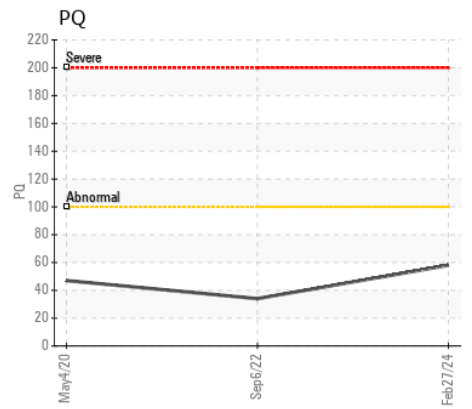
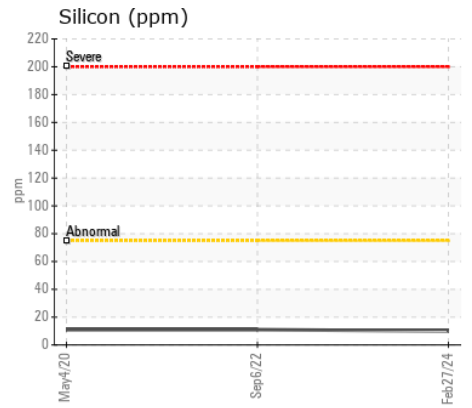
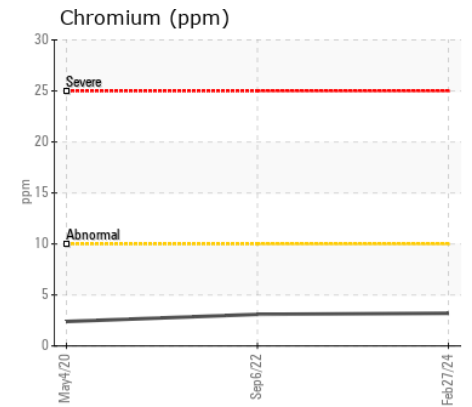
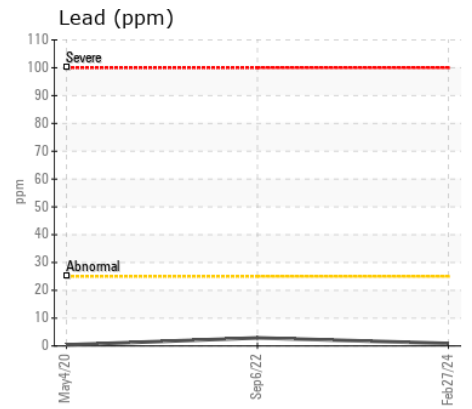
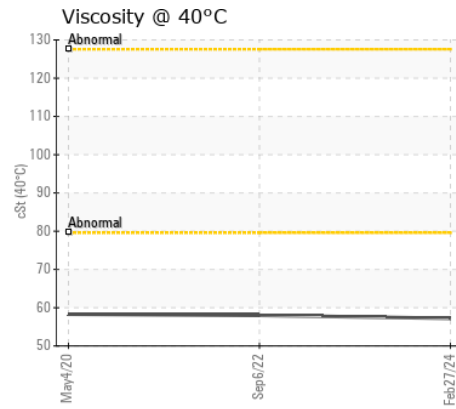
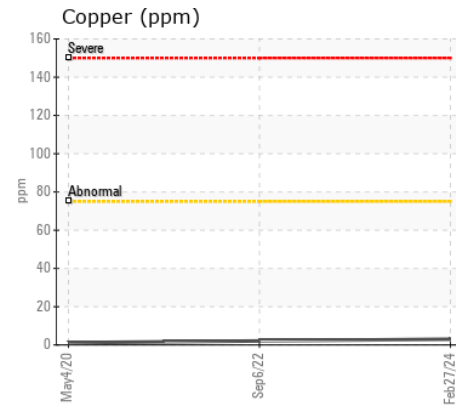
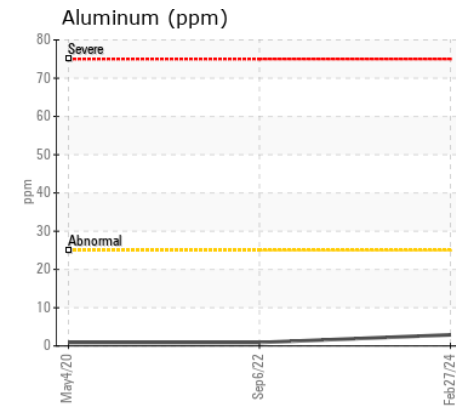
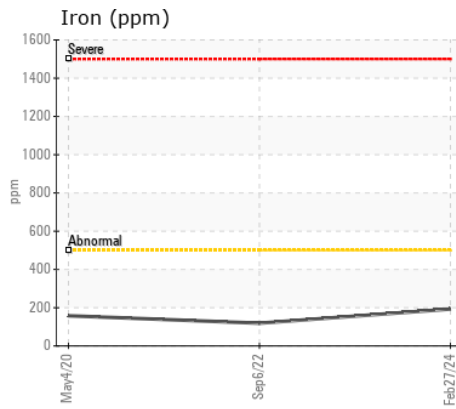
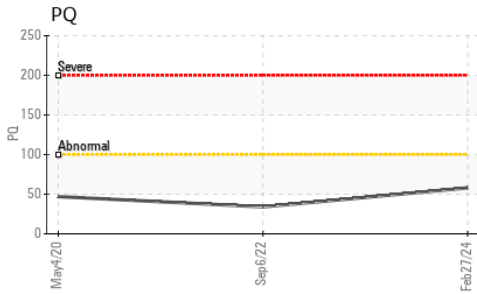
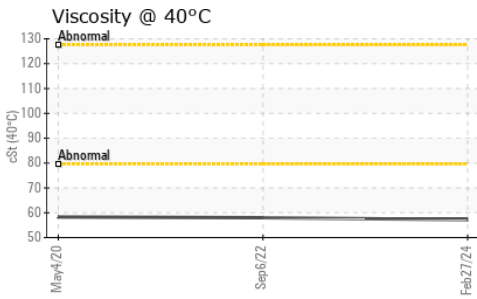
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 10 | 11 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 3 | 0 |
| Water | | WC Method | >0.2 | 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 | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|--|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 5 | 8 | 4 |
| Boron | ppm | ASTM D5185m | | 16 | 13 | 17 |
| Barium | ppm | ASTM D5185m | | 1 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 3 | 0 |
| Manganese | ppm | ASTM D5185m | | 2 | 2 | 1 |
| Magnesium | ppm | ASTM D5185m | | 74 | 81 | 91 |
| Calcium | ppm | ASTM D5185m | | 2984 | 2146 | 3668 |
| Phosphorus | ppm | ASTM D5185m | | 1070 | 887 | 1145 |
| Zinc | ppm | ASTM D5185m | | 1191 | 931 | 1244 |
| Sulfur | ppm | ASTM D5185m | | 7073 | 5141 | 6028 |
| Visc @ 40°C | cSt | ASTM D445 | | 57.2 | 58.0 | 58.3 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0191868 **Received** : 15 Apr 2024
Lab Number : 06148944 **Tested** : 16 Apr 2024
Unique Number : 10979022 **Diagnosed** : 16 Apr 2024 - Wes Davis
Test Package : MOBCE (Additional Tests: PQ)

TURNER MURPHY
 PO BOX 3490
 ROCK HILL, SC
 US 29730

Contact: Bridget Thomas
 bthomas@turnermurphy.com
 T: (803)328-3874
 F: (803)328-8243

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)