



OIL ANALYSIS REPORT

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

Area

[W9094]

Machine Id

JOHN DEERE 410L 1T0410LXKPF435467

Component

Rear Axle

Fluid

TDH FLUID SAE 75W80 (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9094)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | JR0197269 | --- | --- |
| Sample Date | | Client Info | | 25 Jun 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 541 | --- | --- |
| Oil Age | hrs | Client Info | | 541 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-----|-----|
| PQ | | ASTM D8184 | | 48 | --- | --- |
| Iron | ppm | ASTM D5185m | >750 | 87 | --- | --- |
| Chromium | ppm | ASTM D5185m | >11 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >21 | 2 | --- | --- |
| Lead | ppm | ASTM D5185m | >49 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >101 | 13 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | MODER | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

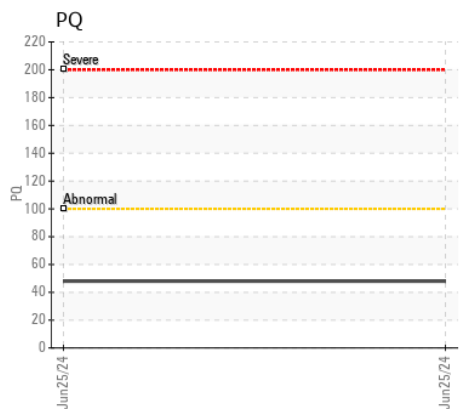
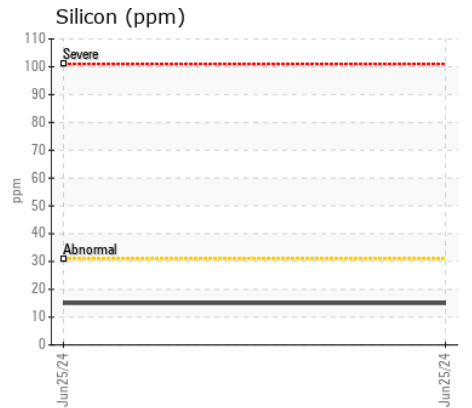
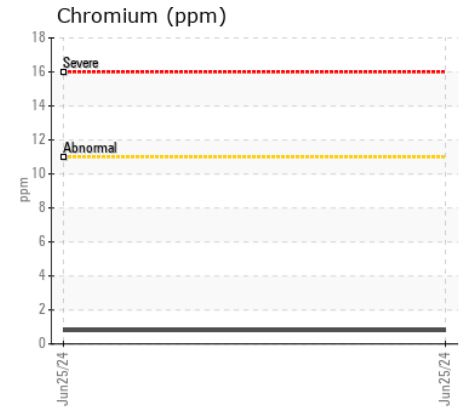
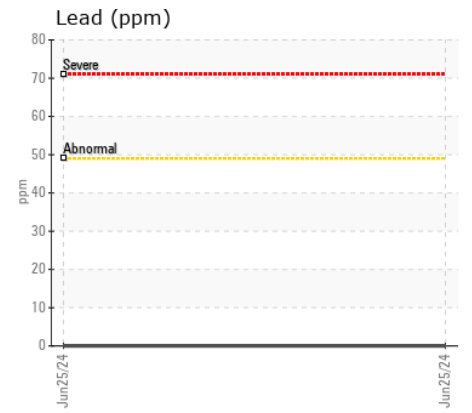
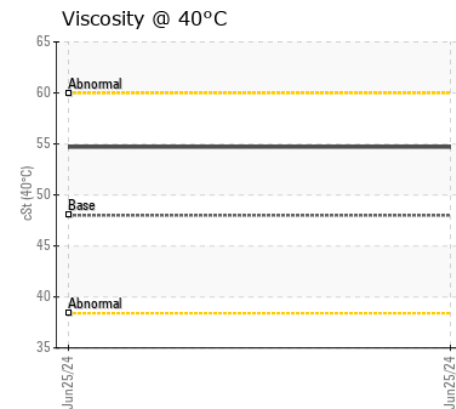
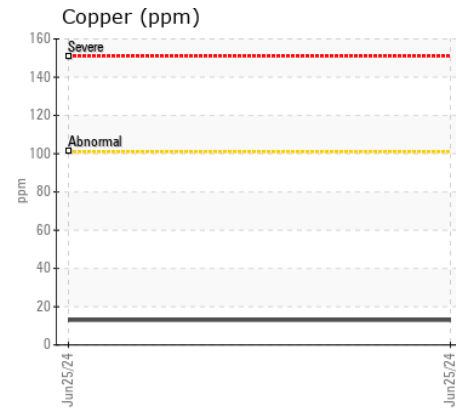
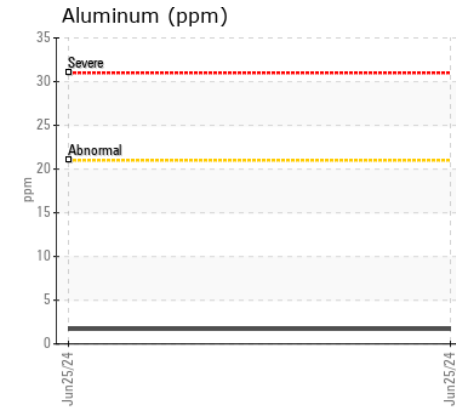
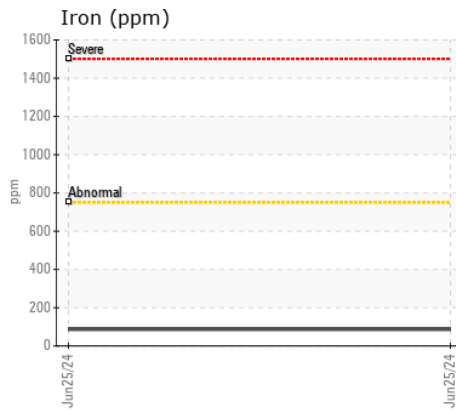
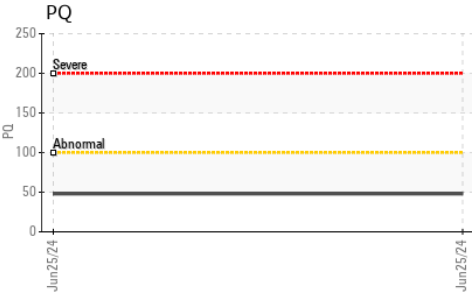
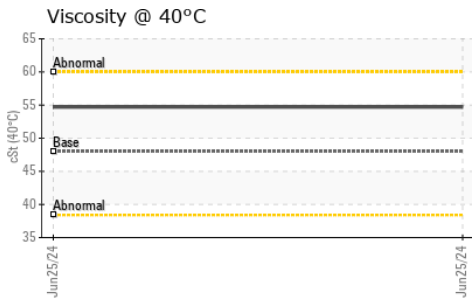
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >31 | 15 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|-------------|-----|-----|
| Sodium | ppm | ASTM D5185m | >51 | 5 | --- | --- |
| Boron | ppm | ASTM D5185m | 10 | 5 | --- | --- |
| Barium | ppm | ASTM D5185m | 10 | 4 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 10 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 4 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 100 | 101 | --- | --- |
| Calcium | ppm | ASTM D5185m | 3500 | 3600 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1150 | 1018 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1150 | 1230 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 5000 | 3974 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 48 | 54.7 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0197269

Lab Number : 06221483

Unique Number : 11099680

Test Package : MOBCE (Additional Tests: PQ)

Received : 26 Jun 2024

Tested : 27 Jun 2024

Diagnosed : 28 Jun 2024 - Sean Felton

JRE - HOPE MILLS/FAYETTEVILLE

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: FAYETTEVILLE SHOP

stephen.mullis@jamesriverequipment.com; canastasio@wearcheck.com

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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F: