James River Equipment

OIL ANALYSIS REPORT

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

Machine Id
## JOHN DEERE 7760 1N07760XEE0050252
Component
## Front Right Final Drive
Fluid
## {not provided} (--- GAL)

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

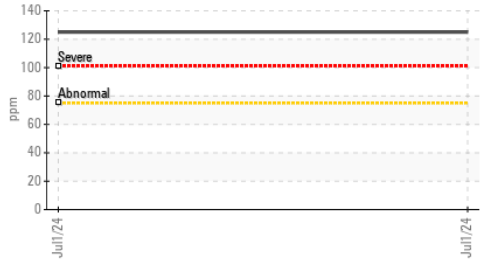
Elemental level of silicon (Si) above normal indicating ingress of seal material. Moderate concentration of visible dirt/debris present in the oil.

## FLUID CONDITION

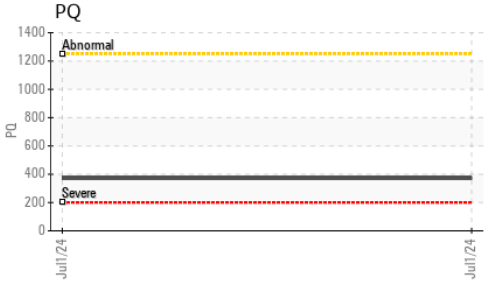
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | JR0216838 | --- | --- |
| Sample Date | | Client Info | | 01 Jul 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 2760 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | N/A | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |
| PQ | | ASTM D8184 | >1250 | 371 | --- | --- |
| Iron | ppm | ASTM D5185m | >750 | 300 | --- | --- |
| Chromium | ppm | ASTM D5185m | >9 | 6 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 2 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 2 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >40 | 3 | --- | --- |
| Lead | ppm | ASTM D5185m | >15 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >40 | 2 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185m | >75 | ▲ 125 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | --- | --- |
| Water | | WC Method | >0.075 | NEG | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | ▲ MODER | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.075 | NEG | --- | --- |
| Sodium | ppm | ASTM D5185m | >51 | 2 | --- | --- |
| Boron | ppm | ASTM D5185m | | 199 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 6 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 164 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 1076 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 24 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 19166 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 419 | --- | --- |

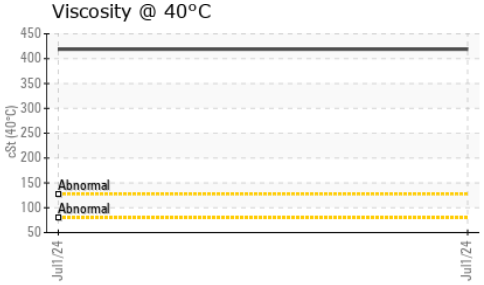
Silicon (ppm)



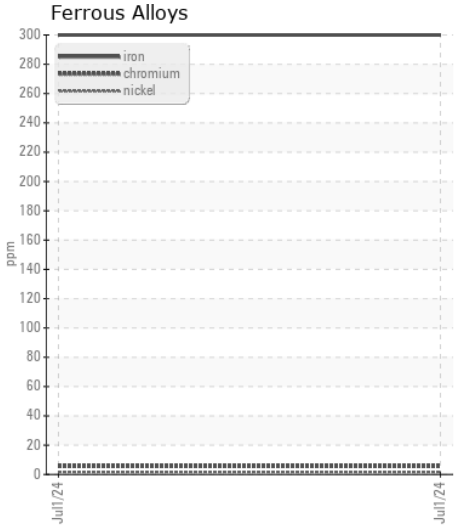

PQ



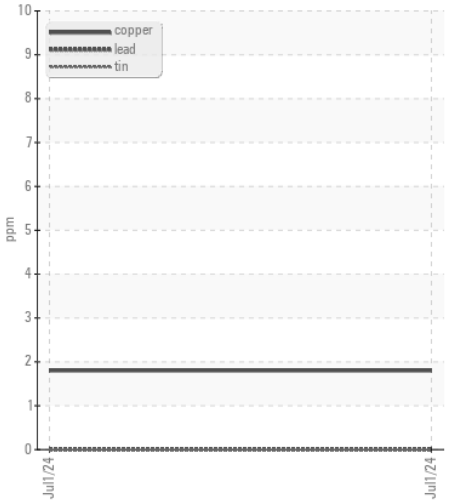

Viscosity @ 40°C



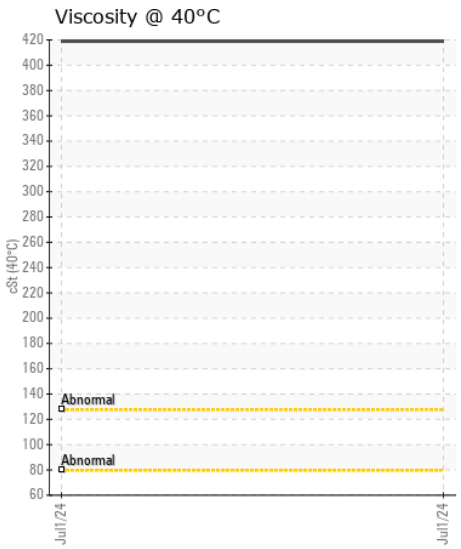

Ferrous Alloys



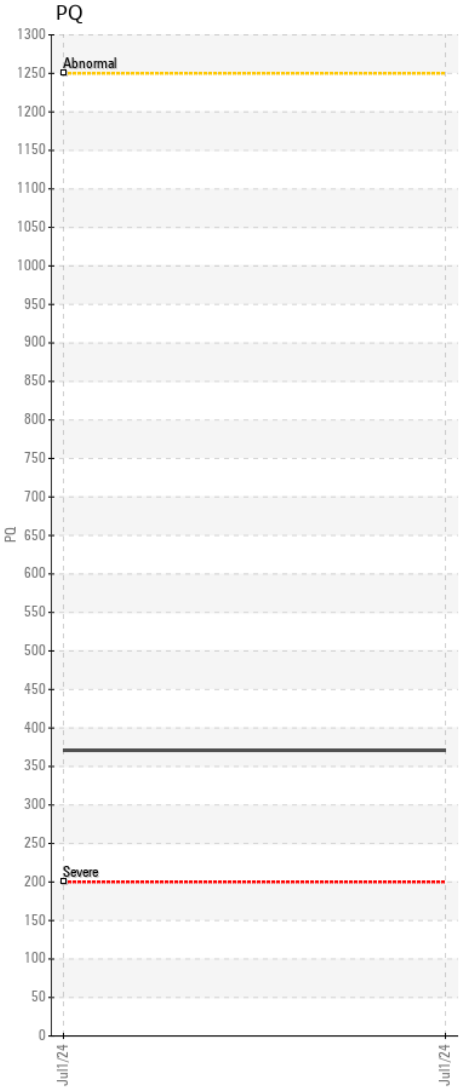

Non-ferrous Metals




Viscosity @ 40°C




PQ




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : JR0216838
**Lab Number** : 06226517
**Unique Number** : 11110010
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 02 Jul 2024
**Tested** : 03 Jul 2024
**Diagnosed** : 05 Jul 2024 - Jonathan Hester

*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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