James River Equipment

OIL ANALYSIS REPORT

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

Machine Id
## WIRTGEN MC110i EVO2 K117-0102
Component
## Right Final Drive
Fluid
## JOHN DEERE GL-5 80W90 (--- GAL)

### RECOMMENDATION

Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

### CONTAMINATION

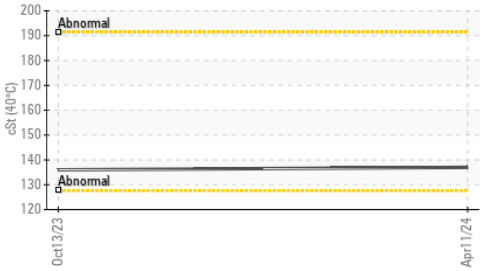
There is no indication of any contamination in the oil.

### FLUID CONDITION

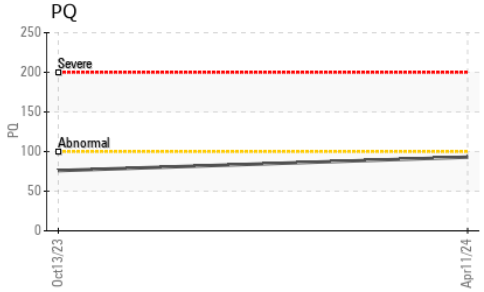
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | JR0210114 | JR0187792 | --- |
| Sample Date | | Client Info | | 11 Apr 2024 | 13 Oct 2023 | --- |
| Machine Age | hrs | Client Info | | 1478 | 1009 | --- |
| Oil Age | hrs | Client Info | | 478 | 1009 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | N/A | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |
| PQ | | ASTM D8184 | | 93 | 76 | --- |
| Iron | ppm | ASTM D5185m | >500 | 117 | 101 | --- |
| Chromium | ppm | ASTM D5185m | >10 | 7 | 6 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | <1 | --- |
| Lead | ppm | ASTM D5185m | >25 | 0 | 1 | --- |
| Copper | ppm | ASTM D5185m | >50 | 2 | 3 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Silicon | ppm | ASTM D5185m | >75 | 2 | 2 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 4 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | --- |
| Sodium | ppm | ASTM D5185m | | 23 | 18 | --- |
| Boron | ppm | ASTM D5185m | | 0 | 2 | --- |
| Barium | ppm | ASTM D5185m | | 2 | 1 | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | | 7 | 7 | --- |
| Magnesium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Calcium | ppm | ASTM D5185m | | 25 | 31 | --- |
| Phosphorus | ppm | ASTM D5185m | | 195 | 216 | --- |
| Zinc | ppm | ASTM D5185m | | 0 | <1 | --- |
| Sulfur | ppm | ASTM D5185m | | 20500 | 21967 | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 137 | 136 | --- |

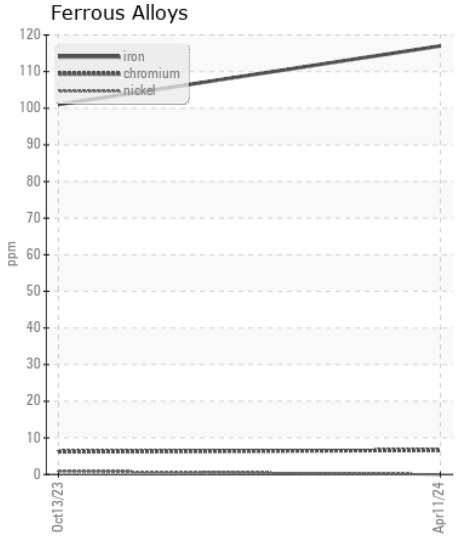
Viscosity @ 40°C



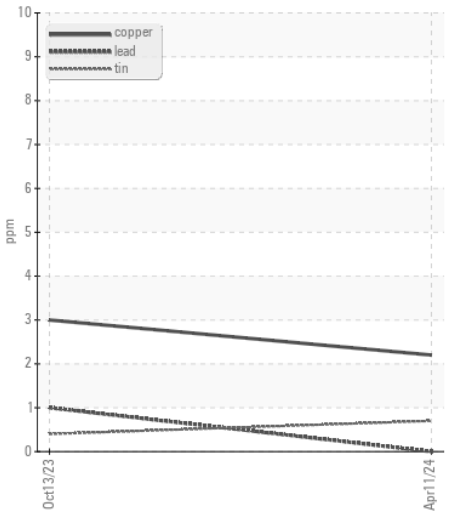

PQ



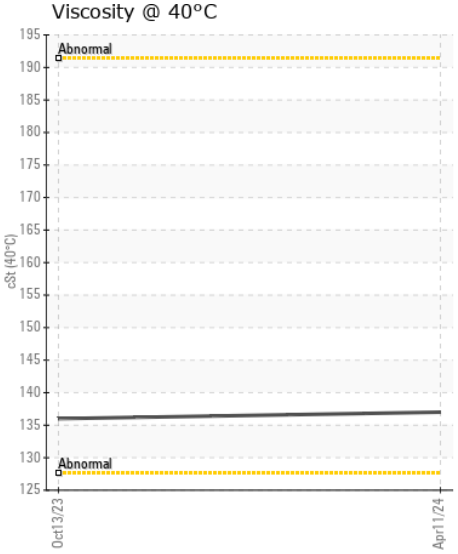

Ferrous Alloys



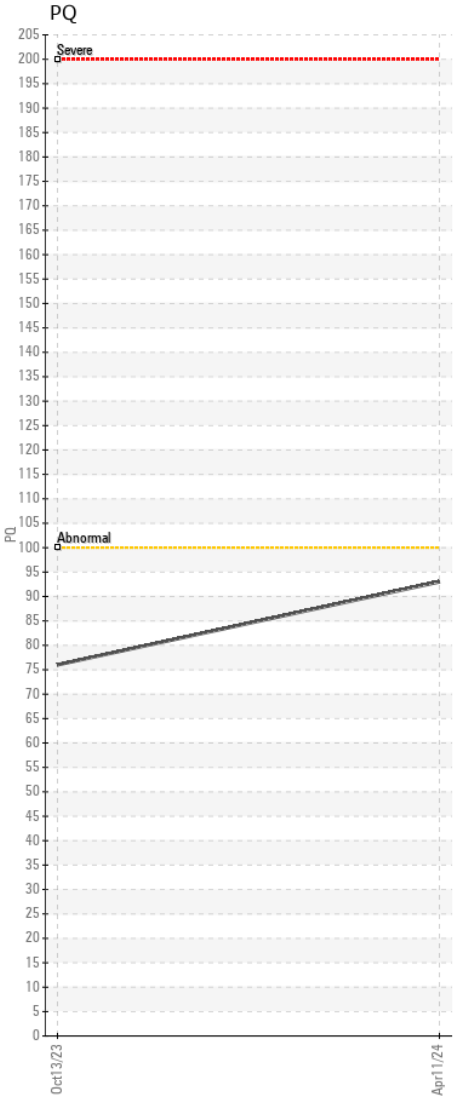

Non-ferrous Metals




Viscosity @ 40°C




PQ




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : JR0210114 **Received** : 15 Apr 2024
**Lab Number** : 06149630 **Tested** : 16 Apr 2024
**Unique Number** : 10979708 **Diagnosed** : 18 Apr 2024 - Sean Felton
**Test Package** : CONST ( Additional Tests: PQ )

*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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