James River Equipment

OIL ANALYSIS REPORT

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

Machine Id
# JOHN DEERE 300GLC PM071598 (S/N 1FF300GXLNF732203)
Component
## Right Final Drive
Fluid
## JOHN DEERE GL-5 80W90 (3 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 fluid.

## FLUID CONDITION

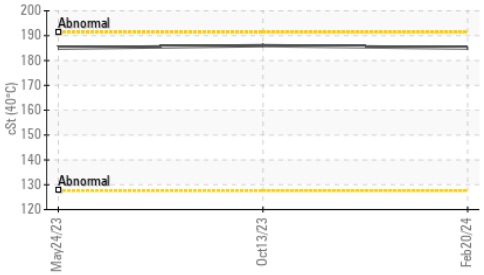
The condition of the fluid is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | JR0192753 | JR0178826 | JR0162329 |
| Sample Date | | Client Info | | 20 Feb 2024 | 13 Oct 2023 | 24 May 2023 |
| Machine Age | hrs | Client Info | | 1450 | 500 | 500 |
| Oil Age | hrs | Client Info | | 1450 | 500 | 500 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | Not Changd | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| PQ | | ASTM D8184 | | 235 | 52 | 130 |
| Iron | ppm | ASTM D5185m | >500 | 192 | 73 | 172 |
| Chromium | ppm | ASTM D5185m | >10 | 4 | 1 | 4 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | 2 | 1 |
| Lead | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >50 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | MODER |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | 9 | 14 | 10 |
| Potassium | ppm | ASTM D5185m | >20 | 5 | 2 | 4 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | LIGHT | 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 |
| Sodium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Boron | ppm | ASTM D5185m | | 68 | 86 | 76 |
| Barium | ppm | ASTM D5185m | | <1 | 3 | 7 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | 1 |
| Manganese | ppm | ASTM D5185m | | 4 | 2 | 3 |
| Magnesium | ppm | ASTM D5185m | | <1 | <1 | 8 |
| Calcium | ppm | ASTM D5185m | | 23 | 22 | 32 |
| Phosphorus | ppm | ASTM D5185m | | 513 | 520 | 500 |
| Zinc | ppm | ASTM D5185m | | 31 | 4 | 25 |
| Sulfur | ppm | ASTM D5185m | | 15886 | 16344 | 17078 |
| Visc @ 40°C | cSt | ASTM D445 | | 185 | 186 | 185 |

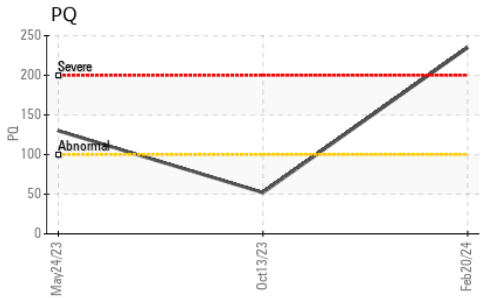
Report Id: JAMCHA [WUSCAR] 06097243 (Generated: 02/23/2024 16:29:43) Rev: 1

Submitted By: Ray Benson

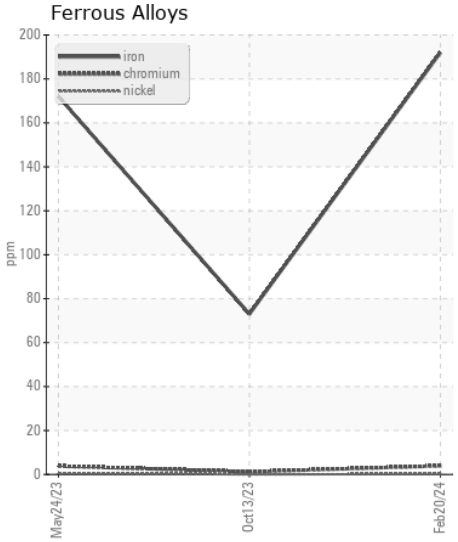
Viscosity @ 40°C



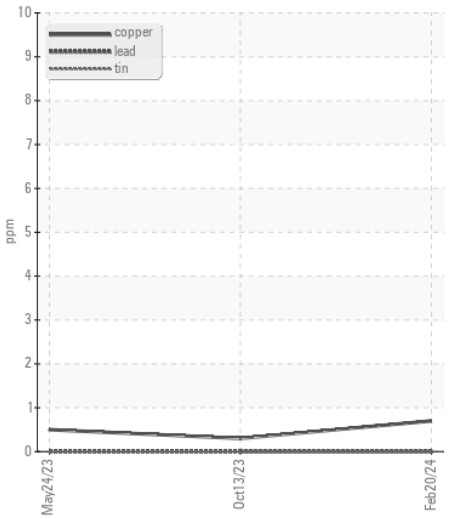

PQ



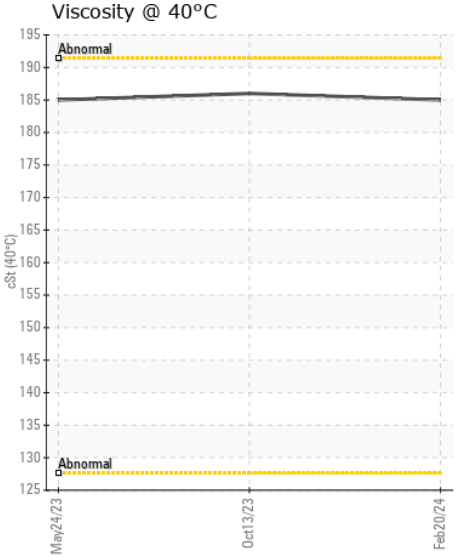

Ferrous Alloys



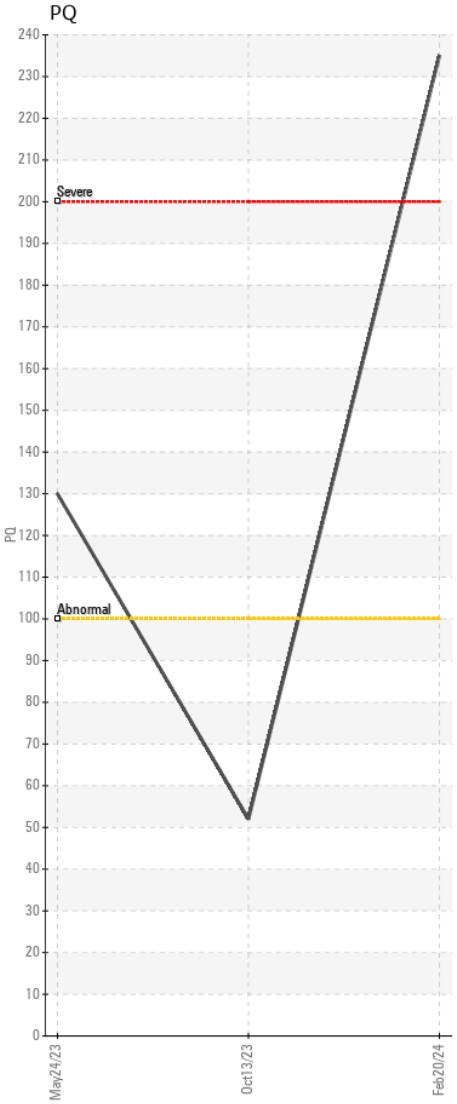

Non-ferrous Metals




Viscosity @ 40°C




PQ




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : JR0192753
**Lab Number** : 06097243
**Unique Number** : 10890096
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 22 Feb 2024
**Tested** : 23 Feb 2024
**Diagnosed** : 23 Feb 2024 - Sean Felton

*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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