James River Equipment

OIL ANALYSIS REPORT

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

Machine Id
## JOHN DEERE 770GP 1DW770GPCJF692203
Component
## Front Rear Axle
Fluid
## JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

### RECOMMENDATION

Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

### CONTAMINATION

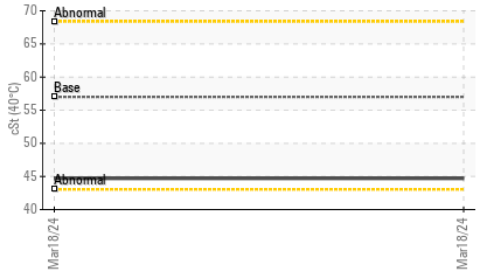
There is no indication of any contamination in the oil.

### FLUID CONDITION

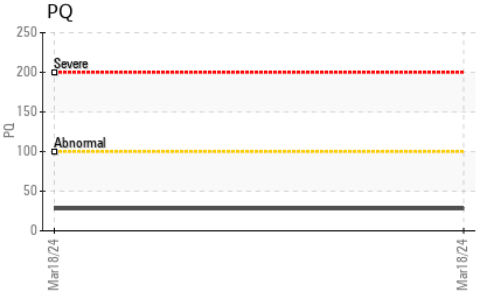
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | JR0199676 | --- | --- |
| Sample Date | | Client Info | | 18 Mar 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 2302 | --- | --- |
| Oil Age | hrs | Client Info | | 2302 | --- | --- |
| Filter Age | hrs | Client Info | | 2302 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | Not Changd | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |
| PQ | | ASTM D8184 | | 28 | --- | --- |
| Iron | ppm | ASTM D5185m | >750 | 49 | --- | --- |
| Chromium | ppm | ASTM D5185m | >11 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >21 | 2 | --- | --- |
| Lead | ppm | ASTM D5185m | >49 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | >101 | 24 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185m | >31 | 8 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| 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 | --- | --- |
| Sodium | ppm | ASTM D5185m | >51 | 4 | --- | --- |
| Boron | ppm | ASTM D5185m | 6 | 2 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 10 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 78 | --- | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3369 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1007 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1230 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 3730 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 44.7 | --- | --- |

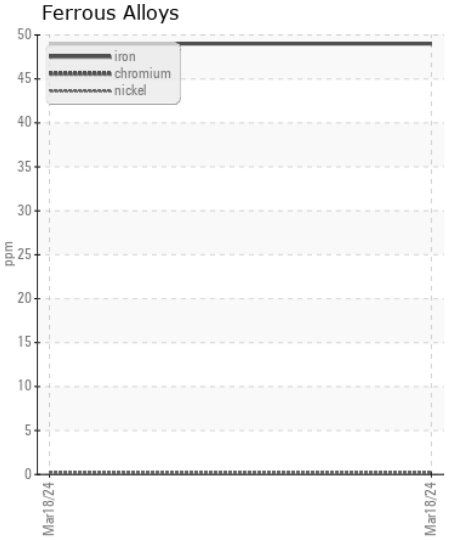
Viscosity @ 40°C



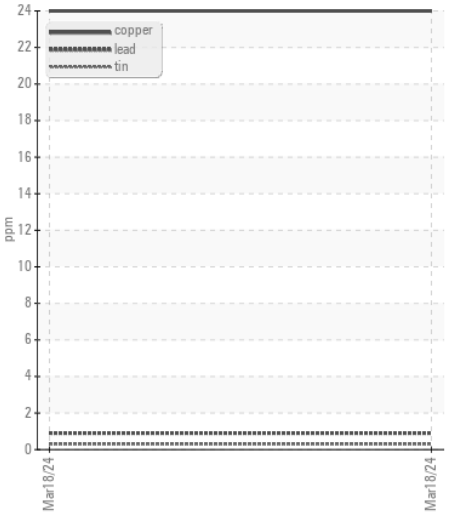

PQ



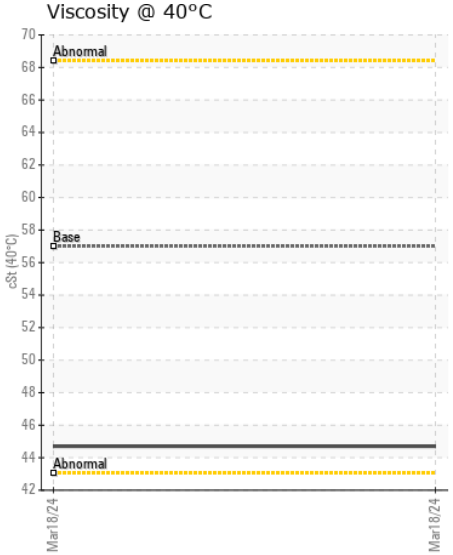

Ferrous Alloys



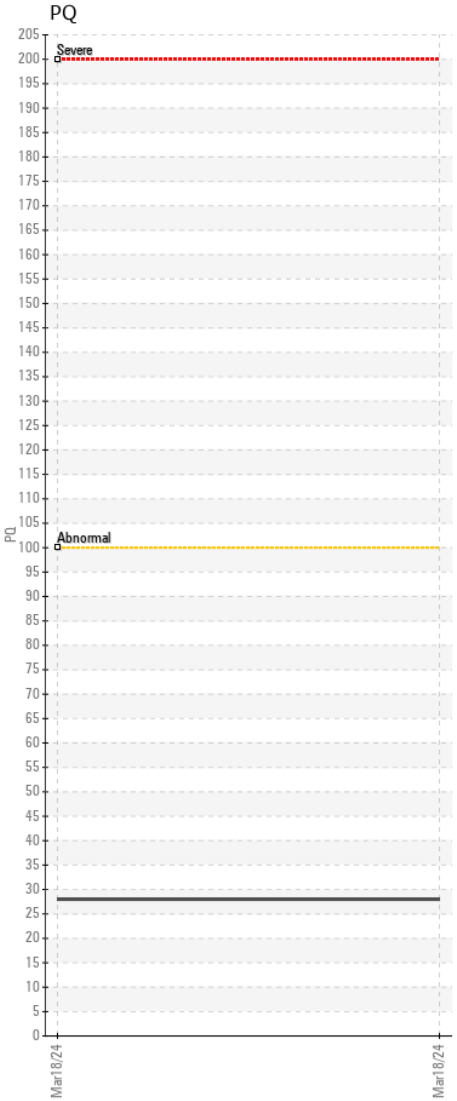

Non-ferrous Metals




Viscosity @ 40°C




PQ




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : JR0199676
**Lab Number** : 06122685
**Unique Number** : 10936836
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 19 Mar 2024
**Tested** : 20 Mar 2024
**Diagnosed** : 20 Mar 2024 - Wes Davis

*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)*

**JRE - ASHLAND**
11047 LEADBETTER RD
ASHLAND, VA
US 23005
Contact: DAVID ZIEG
dzieg@jamesriverequipment.com
T: (804)798-6001
F: (804)798-0292