James River Equipment

OIL ANALYSIS REPORT

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

Machine Id
## JOHN DEERE 850L 1T0850LXLMF409041
Component
## Left Inner Final Drive
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

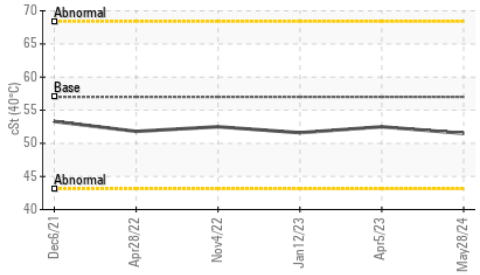
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | JR0209915 | JR0166681 | JR0157677 |
| Sample Date | | Client Info | | 28 May 2024 | 05 Apr 2023 | 12 Jan 2023 |
| Machine Age | hrs | Client Info | | 5000 | 3431 | 2974 |
| Oil Age | hrs | Client Info | | 1000 | 3431 | 2974 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |
| PQ | | ASTM D8184 | >1250 | 151 | 178 | 188 |
| Iron | ppm | ASTM D5185m | >750 | 223 | 192 | 280 |
| Chromium | ppm | ASTM D5185m | >9 | 1 | <1 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 1 | 2 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 1 | 2 | 2 |
| Lead | ppm | ASTM D5185m | >15 | 0 | 0 | 4 |
| Copper | ppm | ASTM D5185m | >40 | 0 | 0 | 1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | 9 | 12 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | 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 | >0.075 | NEG | NEG | 0.2% |
| Sodium | ppm | ASTM D5185m | >51 | <1 | 0 | 4 |
| Boron | ppm | ASTM D5185m | 6 | 0 | 7 | 14 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 6 | 12 |
| Manganese | ppm | ASTM D5185m | | 2 | 1 | 3 |
| Magnesium | ppm | ASTM D5185m | 145 | 108 | 125 | 141 |
| Calcium | ppm | ASTM D5185m | 3570 | 3545 | 3536 | 3659 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1103 | 1075 | 1097 |
| Zinc | ppm | ASTM D5185m | 1640 | 1261 | 1246 | 1263 |
| Sulfur | ppm | ASTM D5185m | | 4072 | 4086 | 4692 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 51.5 | 52.5 | 51.6 |

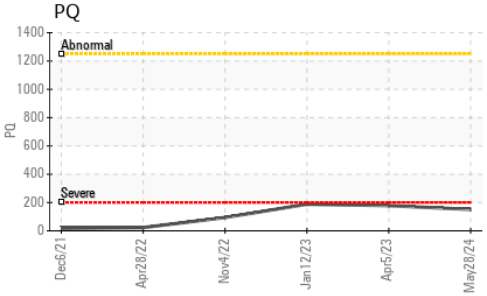
Report Id: BSSWAR [WUSCAR] 06195670 (Generated: 05/31/2024 15:39:27) Rev: 1

Submitted By: RED AUZENNE

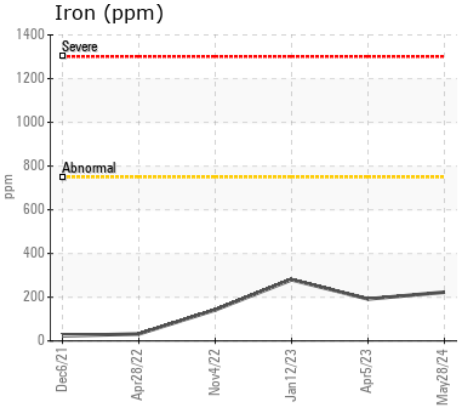
Viscosity @ 40°C



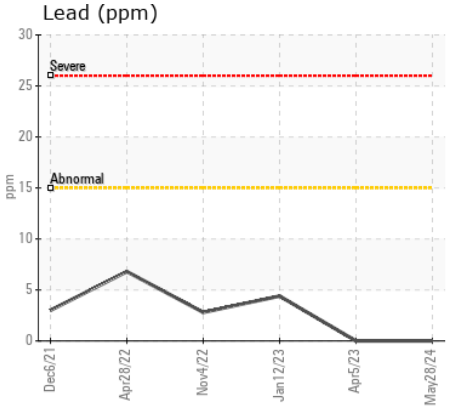

PQ



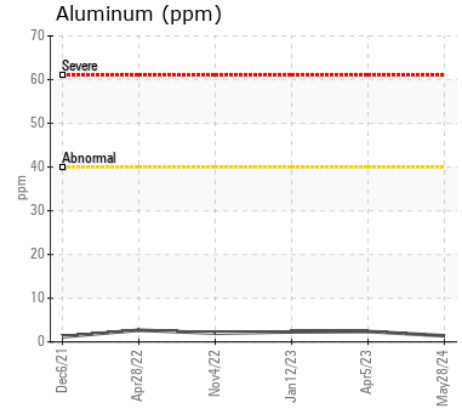

Iron (ppm)



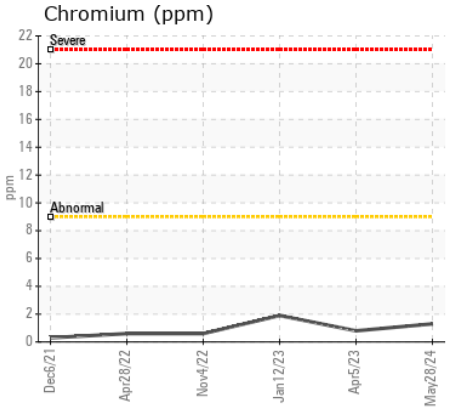

Lead (ppm)



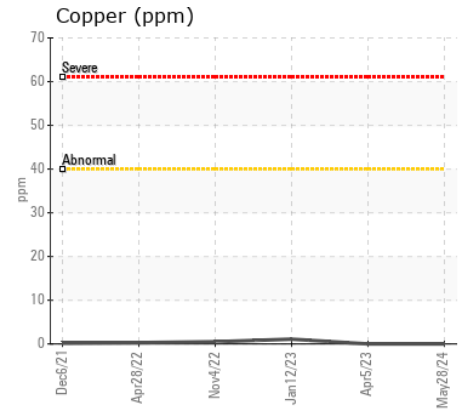

Aluminum (ppm)



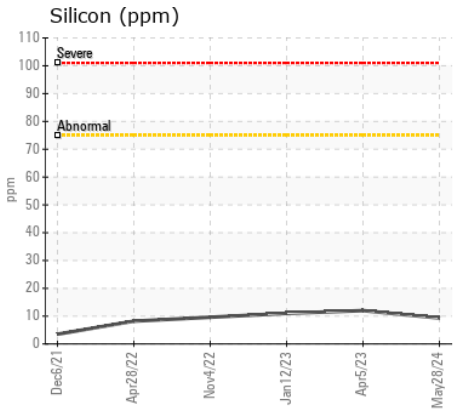

Chromium (ppm)



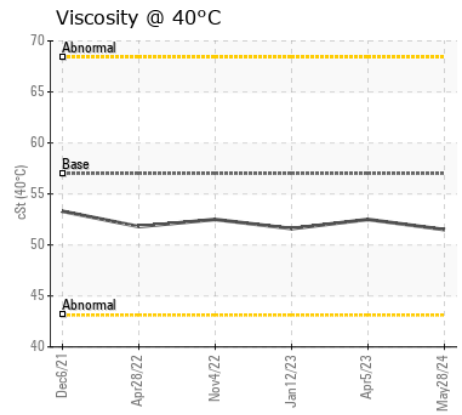

Copper (ppm)



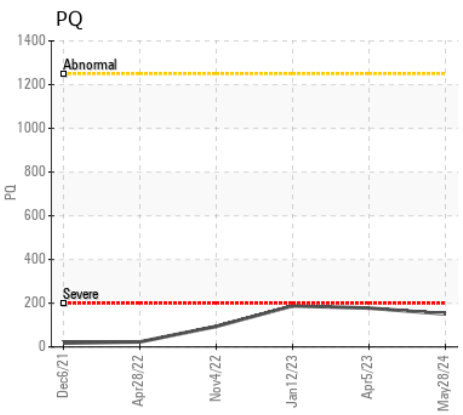

Silicon (ppm)




Viscosity @ 40°C




PQ




**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : JR0209915 **Received** : 30 May 2024
**Lab Number** : 06195670 **Tested** : 31 May 2024
**Unique Number** : 11057793 **Diagnosed** : 31 May 2024 - Wes Davis
**Test Package** : MOBCE ( Additional Tests: PQ )

Certificate L2367

*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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