James River Equipment

OIL ANALYSIS REPORT

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

Machine Id
## JOHN DEERE 410E 1DW410EBAMF709486
Component
## Transmission (Auto)
Fluid
## JOHN DEERE HD SynTran (--- 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

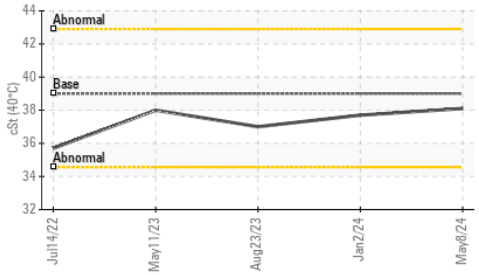
The condition of the fluid is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | JR0215048 | JR0193167 | JR0178352 |
| Sample Date | | Client Info | | 08 May 2024 | 02 Jan 2024 | 23 Aug 2023 |
| Machine Age | hrs | Client Info | | 105218 | 10661 | 4031 |
| Oil Age | hrs | Client Info | | 98588 | 6630 | 2031 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Changed |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| PQ | | ASTM D8184 | >50 | 14 | 31 | 25 |
| Iron | ppm | ASTM D5185m | >160 | 2 | 74 | 73 |
| Chromium | ppm | ASTM D5185m | >5 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >5 | 0 | 2 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >5 | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185m | >50 | 0 | 1 | <1 |
| Lead | ppm | ASTM D5185m | >50 | <1 | 2 | <1 |
| Copper | ppm | ASTM D5185m | >225 | 0 | 3 | 2 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 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 | >20 | 1 | 3 | 4 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | <1 | 2 |
| Water | | WC Method | >0.1 | 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 | >0.1 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Boron | ppm | ASTM D5185m | 168 | 135 | 104 | 133 |
| Barium | ppm | ASTM D5185m | | <1 | 0 | 3 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | 0 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 3 | 4 | 1 |
| Calcium | ppm | ASTM D5185m | 33 | 74 | 128 | 94 |
| Phosphorus | ppm | ASTM D5185m | 330 | 310 | 283 | 281 |
| Zinc | ppm | ASTM D5185m | 0 | 53 | 27 | 18 |
| Sulfur | ppm | ASTM D5185m | 980 | 406 | 401 | 398 |
| Visc @ 40°C | cSt | ASTM D445 | 39 | 38.1 | 37.7 | 37.0 |

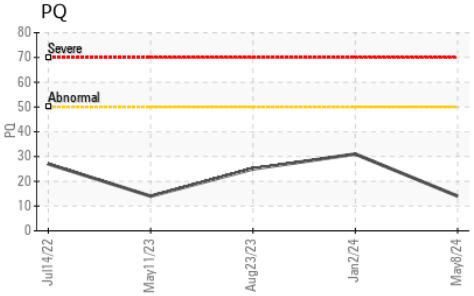
Report Id: JAMCHA [WUSCAR] 06175721 (Generated: 05/13/2024 08:54:39) Rev: 1

Submitted By: Mike Young - CHARLOTTE SHOP

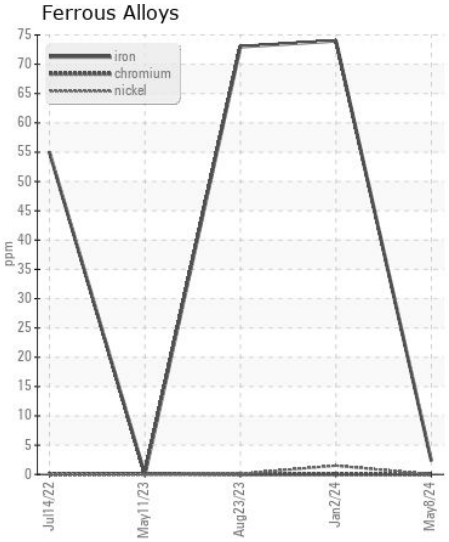
Viscosity @ 40°C



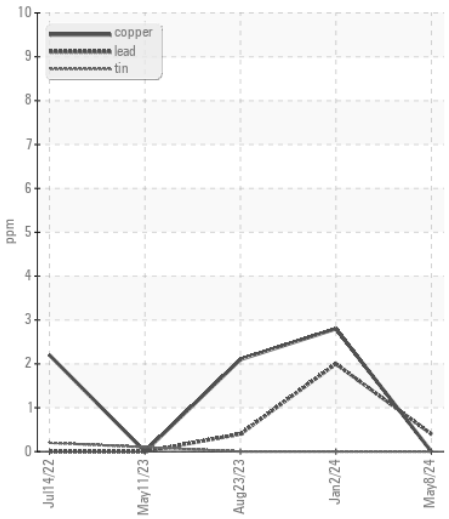

PQ



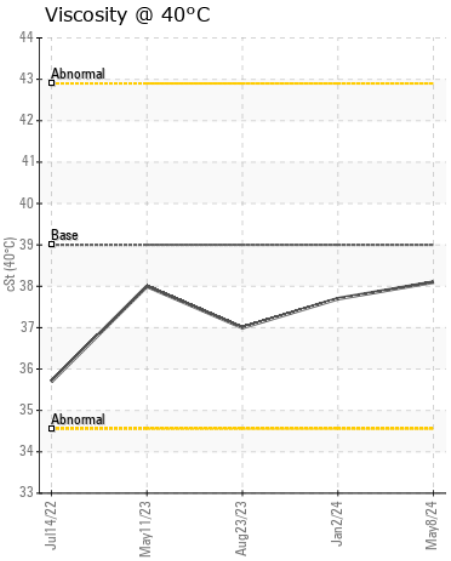

Ferrous Alloys



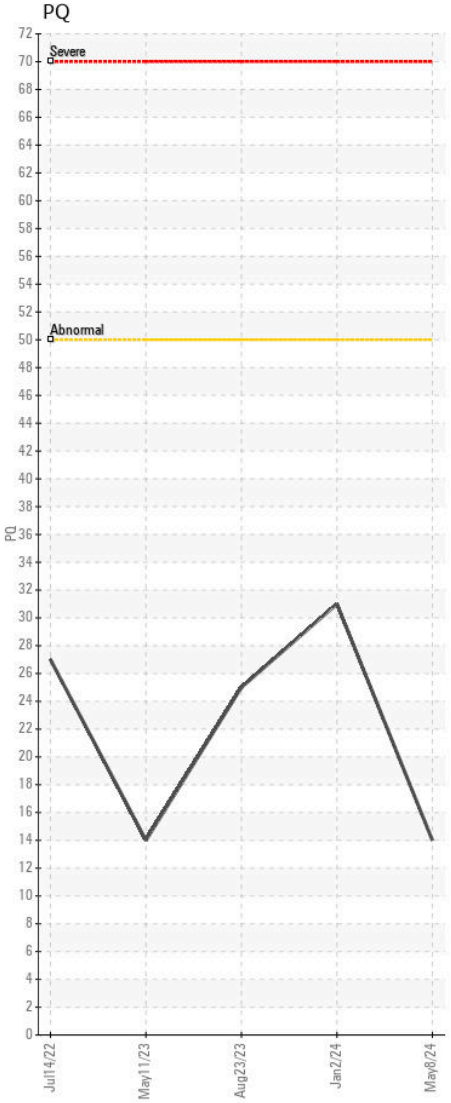

Non-ferrous Metals




Viscosity @ 40°C




PQ




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : JR0215048
**Lab Number** : 06175721
**Unique Number** : 11021774
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 10 May 2024
**Tested** : 13 May 2024
**Diagnosed** : 13 May 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)*

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