MOB I LUBE 360 OIL DIAGNOSTICS

# OIL ANALYSIS REPORT

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

Machine Id
## JOHN DEERE 223-1004
Component
## Transmission (Auto)
Fluid
## PETRO CANADA DURATRAN (--- 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 fluid viscosity is lower than typical, possibly indicating the addition of lighter grade fluid. The condition of the fluid is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | PC0084988 | --- | --- |
| Sample Date | | Client Info | | 29 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 21623 | --- | --- |
| Oil Age | hrs | Client Info | | 500 | --- | --- |
| Filter Age | hrs | Client Info | | 500 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | Not Changd | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |
| Iron | ppm | ASTM D5185(m) | >160 | 25 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >50 | <1 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >50 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >225 | 14 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | VLITE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185(m) | >20 | 7 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Silt | scalar | Visual* | NONE | VLITE | --- | --- |
| 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 D5185(m) | | 1 | --- | --- |
| Boron | ppm | ASTM D5185(m) | 110 | 76 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 0.0 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0.0 | <1 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 1 | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 13 | 15 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 3610 | 2984 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 1192 | 1096 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 1455 | 1220 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 2641 | 6266 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 55.14 | 50.5 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 9.38 | ▲ 7.8 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | 153 | 121 | --- | --- |

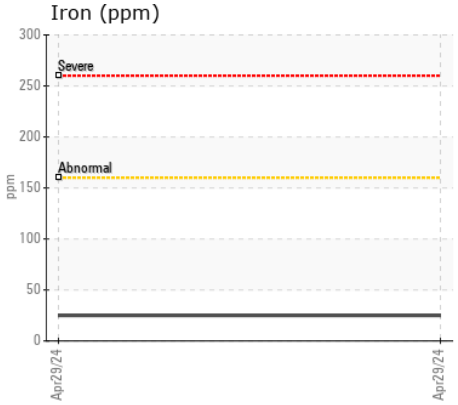
Report Id: LAVCLI [WCAMIS] 02638541 (Generated: 05/30/2024 16:36:16) Rev: 1

Contact/Location: Doug Francis - LAVCLI

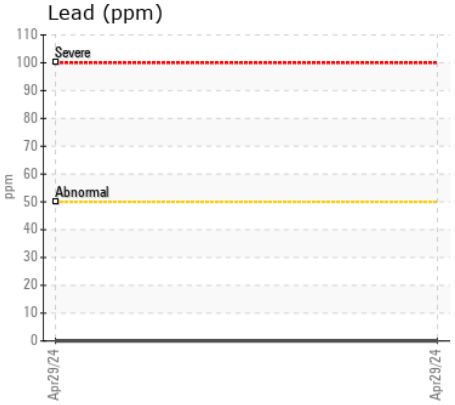
Viscosity @ 100°C


Viscosity @ 40°C

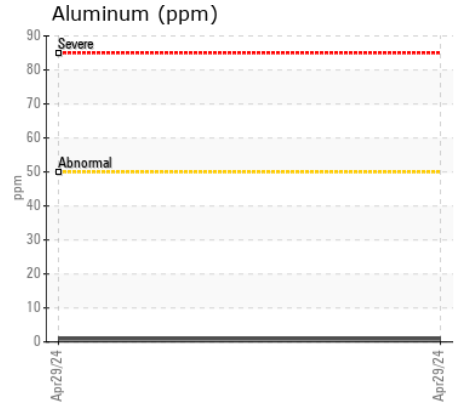

Iron (ppm)



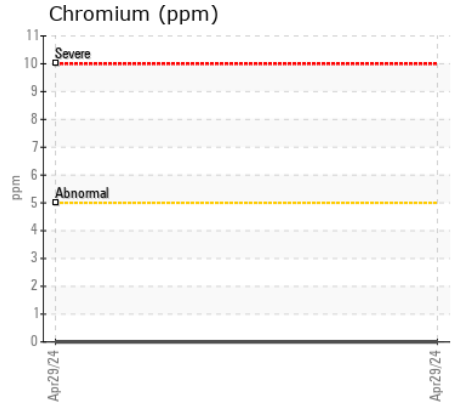

Lead (ppm)



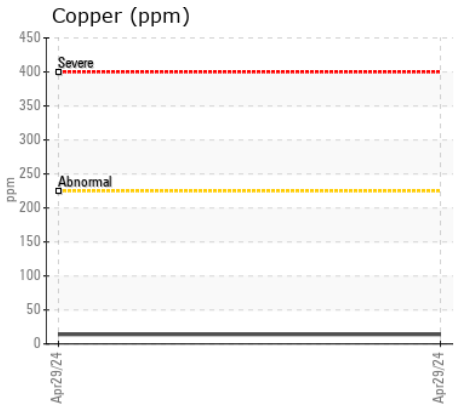

Aluminum (ppm)



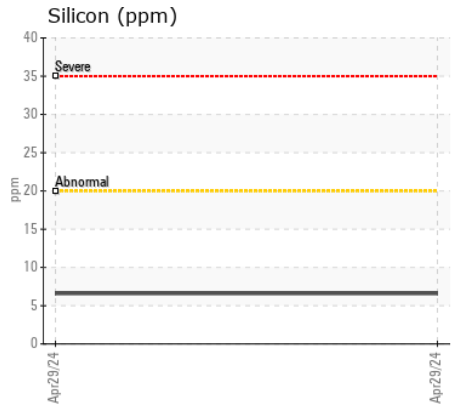

Chromium (ppm)



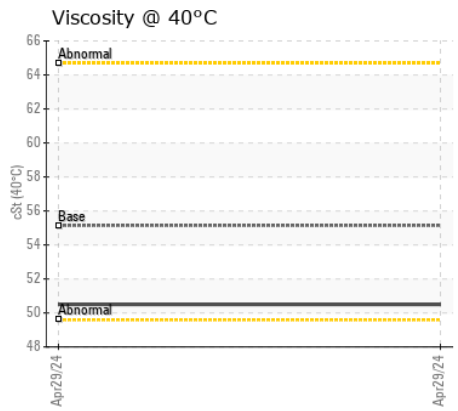

Copper (ppm)



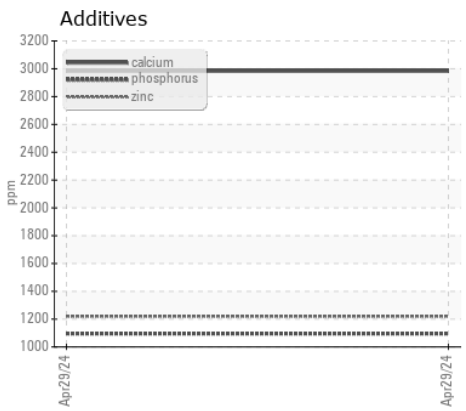

Silicon (ppm)




Viscosity @ 40°C




Additives




ISO 17025:2017 Accredited Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
**Sample No.** : PC0084988 **Received** : 29 May 2024
**Lab Number** : 02638541 **Tested** : 30 May 2024
**Unique Number** : 5787703 **Diagnosed** : 30 May 2024 - Kevin Marson
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

*To discuss this sample report, contact Customer Service at 1-800-268-2131.*
*Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.*
*Validity of results and interpretation are based on the sample and information as supplied.*

**LAVIS CONTRACTING**
37462A HURON ROAD
CLINTON, ON
CA N0M 1L0
Contact: Doug Francis
dfrancis@lavis.ca
T: (519)482-3694
F: (519)482-7886