James River Equipment

OIL ANALYSIS REPORT

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

Machine Id
## JOHN DEERE 650P 1T0650PAVPLX05743
Component
## Diesel Engine
Fluid
## {not provided} (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

Metal levels are typical for a new component breaking in.

## CONTAMINATION

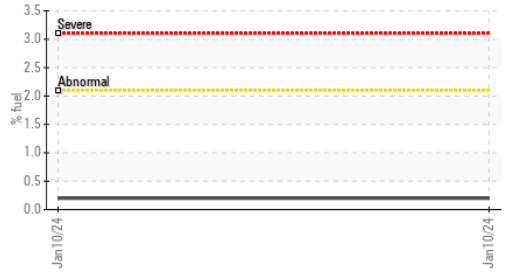
Fuel content negligible. There is no indication of any contamination in the oil.

## FLUID CONDITION

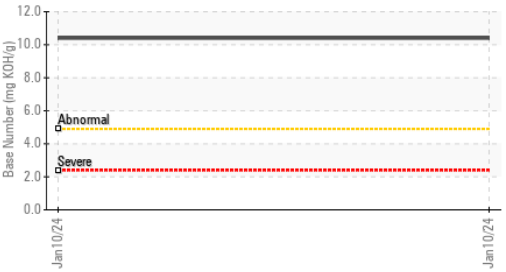
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | JR0166877 | --- | --- |
| Sample Date | | Client Info | | 10 Jan 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 6 | --- | --- |
| Oil Age | hrs | Client Info | | 6 | --- | --- |
| Filter Age | hrs | Client Info | | 6 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | Not Changd | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |
| Iron | ppm | ASTM D5185m | >51 | 11 | --- | --- |
| Chromium | ppm | ASTM D5185m | >11 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >5 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | >3 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >31 | 7 | --- | --- |
| Lead | ppm | ASTM D5185m | >26 | 3 | --- | --- |
| Copper | ppm | ASTM D5185m | >26 | 28 | --- | --- |
| Tin | ppm | ASTM D5185m | >4 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185m | >22 | 11 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| Fuel | % | ASTM D3524 | >2.1 | 0.2 | --- | --- |
| Water | | WC Method | >0.21 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | *ASTM D7844 | >3 | 0.1 | --- | --- |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 5.8 | --- | --- |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 19.9 | --- | --- |
| 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 | >0.21 | NEG | --- | --- |
| Sodium | ppm | ASTM D5185m | >31 | 4 | --- | --- |
| Boron | ppm | ASTM D5185m | | 274 | --- | --- |
| Barium | ppm | ASTM D5185m | | 4 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 230 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 4 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 717 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 1223 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 856 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 989 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 2992 | --- | --- |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 14.8 | --- | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 10.4 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 | | 10.0 | --- | --- |

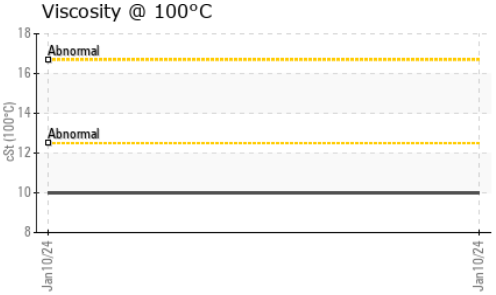
Fuel Dilution



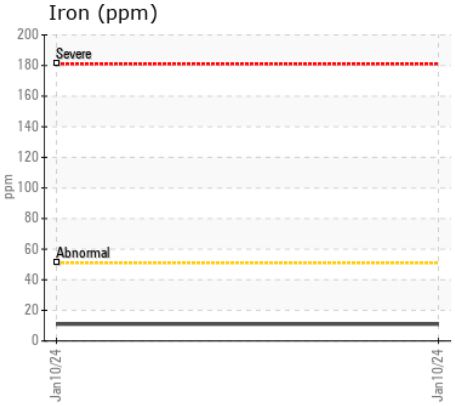

Base Number



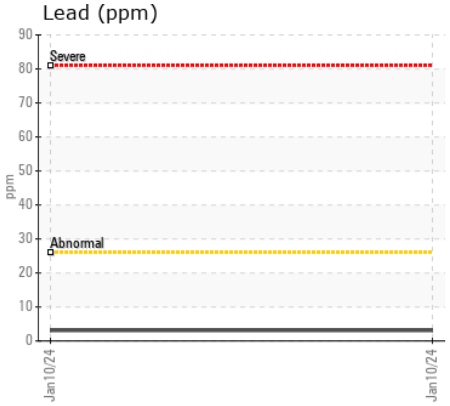

Viscosity @ 100°C



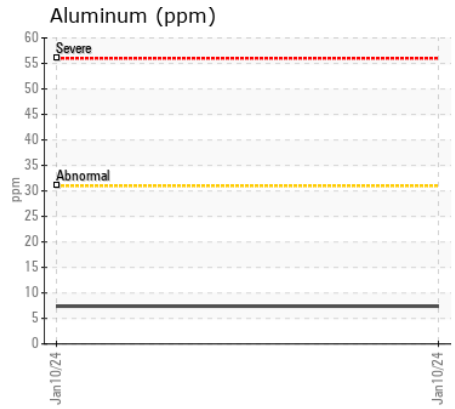

Iron (ppm)



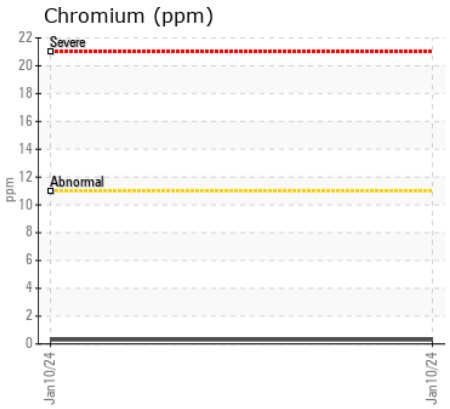

Lead (ppm)



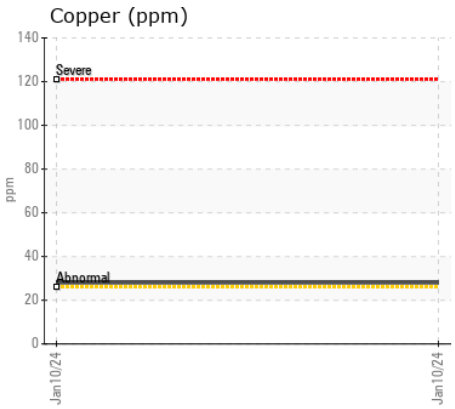

Aluminum (ppm)



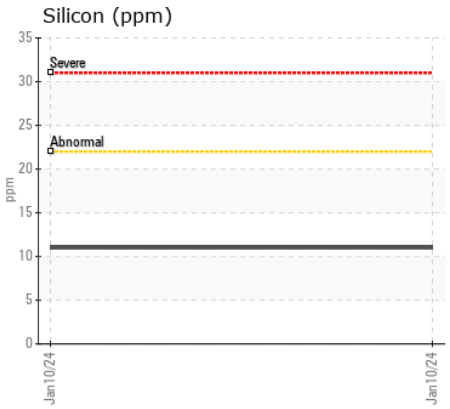

Chromium (ppm)



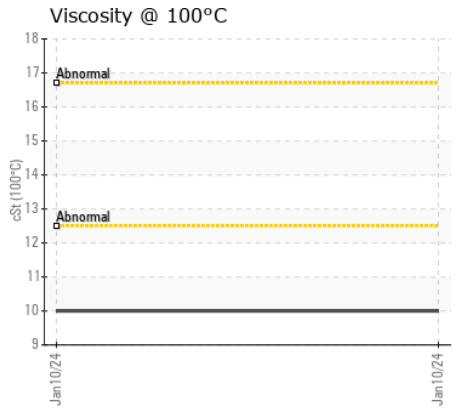

Copper (ppm)



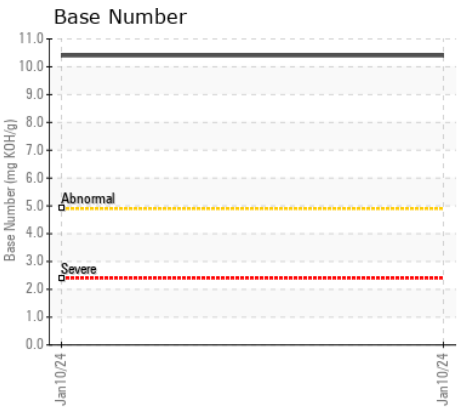

Silicon (ppm)




Viscosity @ 100°C




Base Number




Certificate L2367

| | | | |
|---|---|---|---|
| **Laboratory** | : WearCheck USA - 501 Madison Ave., Cary, NC 27513 | | |
| **Sample No.** | : JR0166877 | **Recieved** | : 11 Jan 2024 |
| **Lab Number** | : 06058611 | **Diagnosed** | : 15 Jan 2024 |
| **Unique Number** | : 10829993 | **Diagnostician** | : Jonathan Hester |
| **Test Package** | : MOBCE ( Additional Tests: FuelDilution, PercentFuel, TBN ) | | |

*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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