MOB

WAJAX POWER SYSTEMS SYSTÈMES DE PUISSANCE

# OIL ANALYSIS REPORT

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

Area
**[277990]**
Machine Id
**CD6059T253320**
Component
**Diesel Engine**
Fluid
**PETRO CANADA 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

Metal levels are typical for a new component breaking in.

## CONTAMINATION

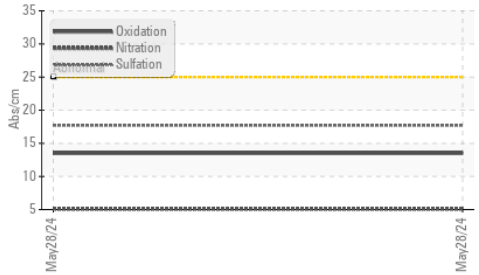
There is no indication of any contamination in the oil.

## FLUID CONDITION

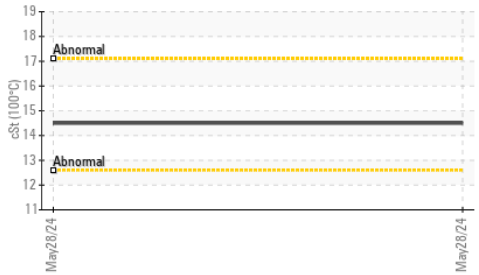
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | WA0020843 | --- | --- |
| Sample Date | | Client Info | | 28 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 303 | --- | --- |
| Oil Age | hrs | Client Info | | 35 | --- | --- |
| Filter Age | hrs | Client Info | | 35 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |
| Iron | ppm | ASTM D5185(m) | >51 | 3 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >11 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >3 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >31 | <1 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >26 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >26 | <1 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >4 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185(m) | >22 | 2 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Fuel | | WC Method | >2.1 | <1.0 | --- | --- |
| Water | | WC Method | >0.21 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | ASTM D7844* | >3 | 0 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 5.1 | --- | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 17.7 | --- | --- |
| Silt | scalar | Visual* | NONE | NONE | --- | --- |
| Debris | scalar | Visual* | NONE | VLITE | --- | --- |
| 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 D5185(m) | | 1 | --- | --- |
| Boron | ppm | ASTM D5185(m) | | 3 | --- | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 59 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | | 965 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | | 1040 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 1018 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | | 1154 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | | 2546 | --- | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 13.5 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 14.5 | --- | --- |

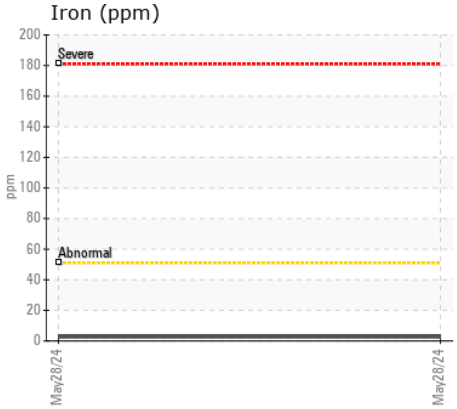
FT-IR (Direct Trend)



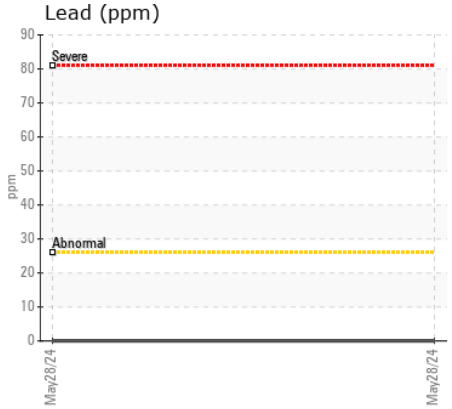

Viscosity @ 100°C



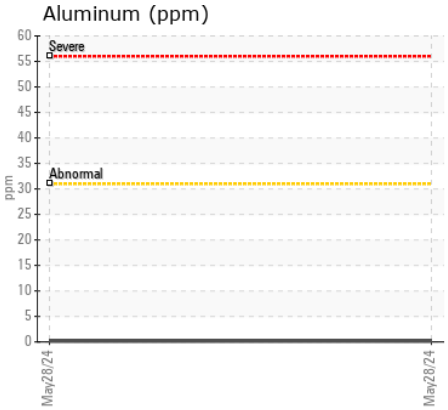

Iron (ppm)



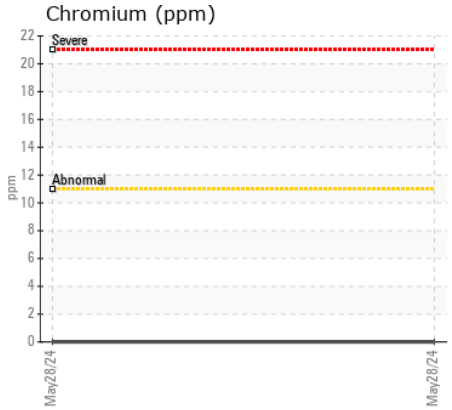

Lead (ppm)



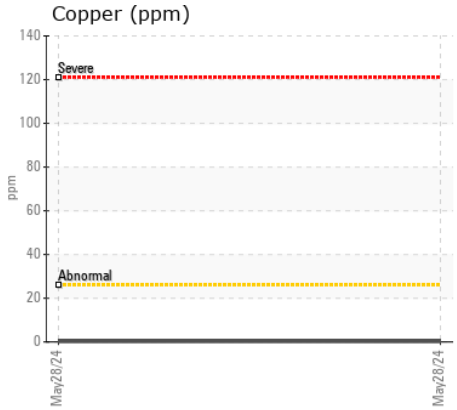

Aluminum (ppm)



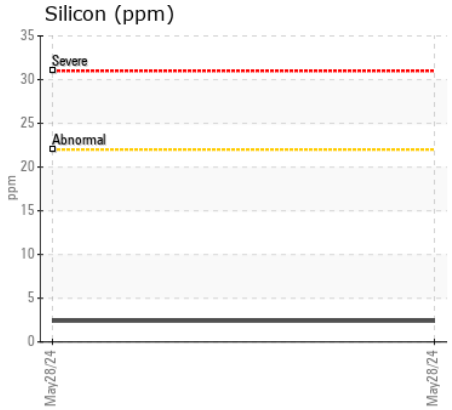

Chromium (ppm)



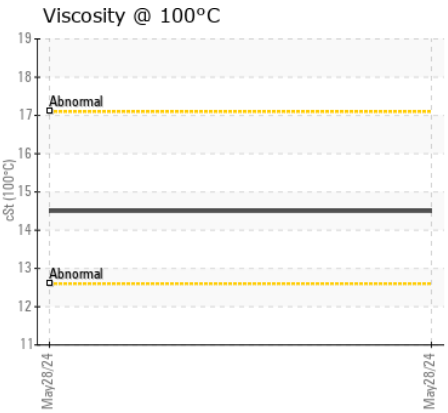

Copper (ppm)



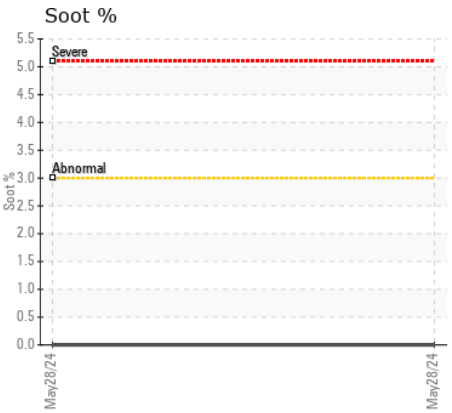

Silicon (ppm)




Viscosity @ 100°C




Soot %




ISO 17025:2017 Accredited Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
**Sample No.** : WA0020843 **Received** : 05 Jun 2024
**Lab Number** : 02639767 **Tested** : 05 Jun 2024
**Unique Number** : 5788929 **Diagnosed** : 05 Jun 2024 - Wes Davis
**Test Package** : MOB 1 ( Additional Tests: Visual )

*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.*

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