MOB II WEAR CHECK

# OIL ANALYSIS REPORT

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

Machine Id
## DODGE 1C65RFFT6PN627132
Component
## Diesel Engine
Fluid
## {not provided} (--- GAL)

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. 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

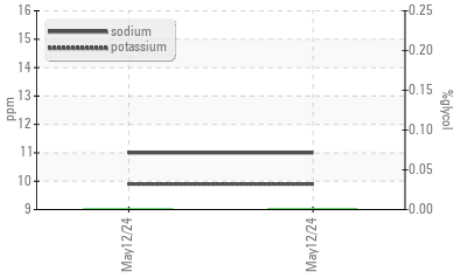
Light fuel dilution occurring. No other contaminants were detected in the oil.

## FLUID CONDITION

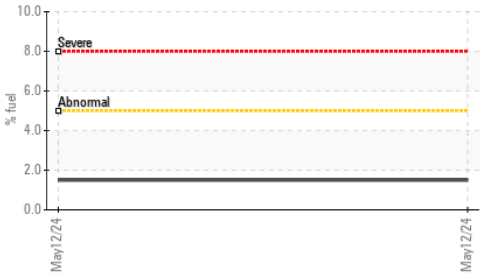
The BN result indicates that there is suitable alkalinity remaining in the oil. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the oil is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | WC0750929 | --- | --- |
| Sample Date | | Client Info | | 12 May 2024 | --- | --- |
| Machine Age | kms | Client Info | | 14071 | --- | --- |
| Oil Age | kms | Client Info | | 0 | --- | --- |
| Filter Age | kms | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |
| Iron | ppm | ASTM D5185(m) | >100 | 95 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | 2 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >3 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >20 | 7 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >40 | 5 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >330 | 209 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silicon | ppm | ASTM D5185(m) | >25 | 17 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 10 | --- | --- |
| Fuel | % | ASTM D7593* | >5 | 1.5 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Glycol | % | ASTM D7922* | | 0.0 | --- | --- |
| Soot % | % | ASTM D7844* | >3 | 0 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 12.5 | --- | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 23.6 | --- | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | --- | --- |
| Sodium | ppm | ASTM D5185(m) | | 11 | --- | --- |
| Boron | ppm | ASTM D5185(m) | | 18 | --- | --- |
| Barium | ppm | ASTM D5185(m) | | 2 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 158 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | 17 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | | 431 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | | 1203 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 630 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | | 716 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | | 1455 | --- | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 18.7 | --- | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896* | | 5.19 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 7.6 | --- | --- |

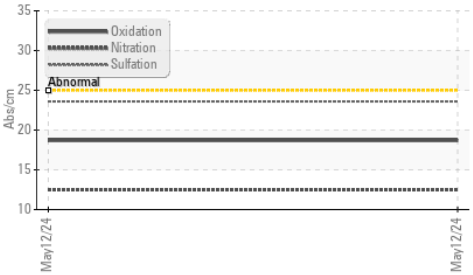
Glycol Contamination




Fuel Dilution

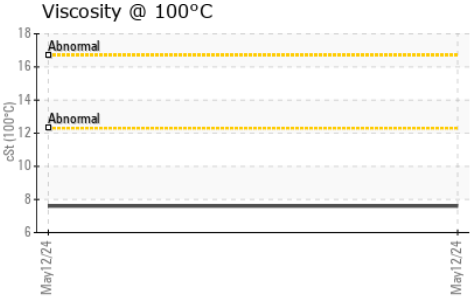



FT-IR (Direct Trend)

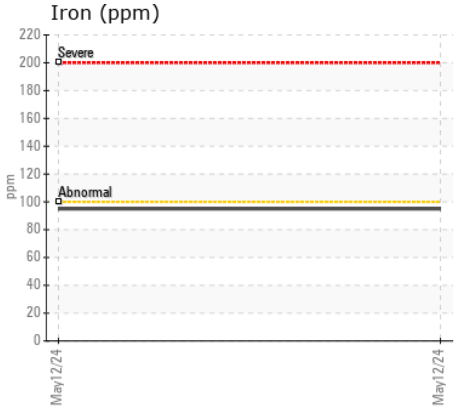



Base Number

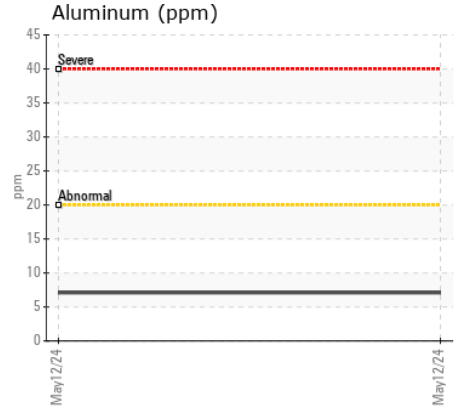

Viscosity @ 100°C



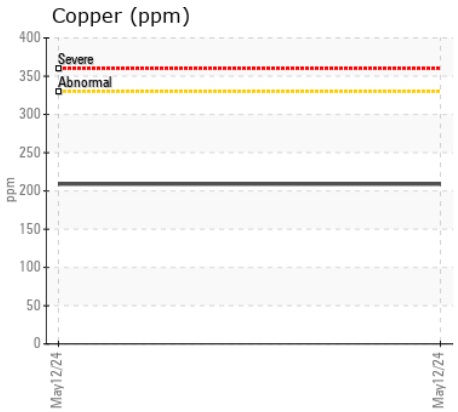

Iron (ppm)



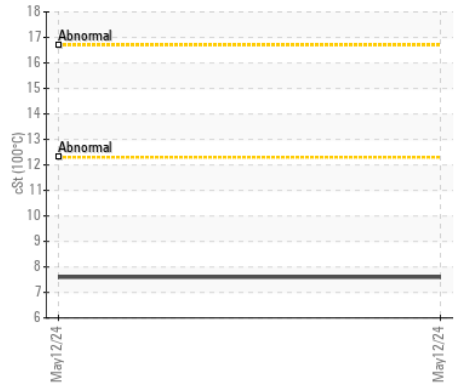

Aluminum (ppm)



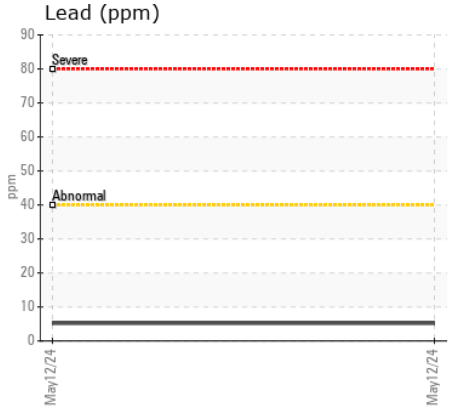

Copper (ppm)



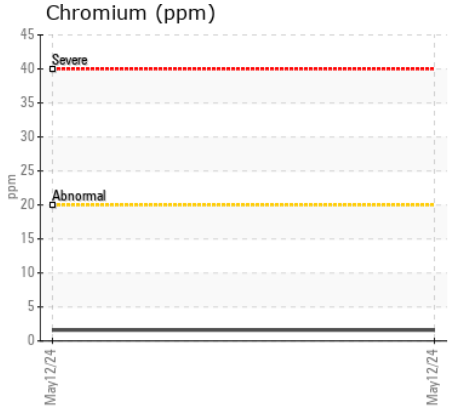

Viscosity @ 100°C



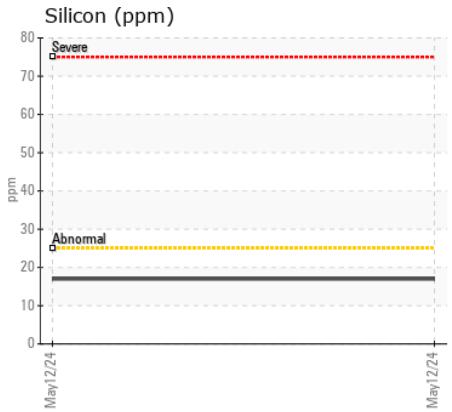

Lead (ppm)



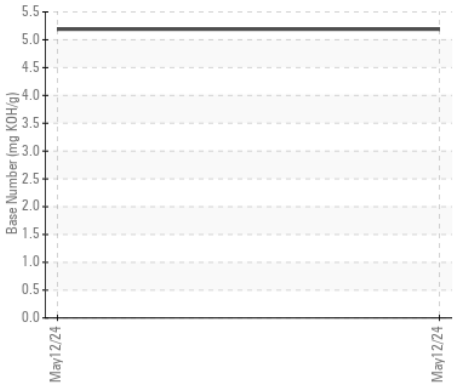

Chromium (ppm)




Silicon (ppm)




Base Number




ISO 17025:2017 Accredited Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
**Sample No.** : WC0750929 **Received** : 21 May 2024
**Lab Number** : 02636584 **Tested** : 22 May 2024
**Unique Number** : 5785746 **Diagnosed** : 22 May 2024 - Kevin Marson
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, Glycol, PercentFuel )

*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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