



# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**24676**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a moderate concentration of dirt present in the oil.

### Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0713317</b>	---	---
Sample Date	Client Info	<b>11 Oct 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<b>&lt;1.0</b>	---	---
Glycol	WC Method	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185(m) >100	<b>8</b>	---	---
Chromium ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Nickel ppm	ASTM D5185(m) >4	<b>&lt;1</b>	---	---
Titanium ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver ppm	ASTM D5185(m) >3	<b>&lt;1</b>	---	---
Aluminum ppm	ASTM D5185(m) >20	<b>2</b>	---	---
Lead ppm	ASTM D5185(m) >40	<b>3</b>	---	---
Copper ppm	ASTM D5185(m) >330	<b>11</b>	---	---
Tin ppm	ASTM D5185(m) >15	<b>1</b>	---	---
Antimony ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185(m) 250	<b>94</b>	---	---
Barium ppm	ASTM D5185(m) 10	<b>2</b>	---	---
Molybdenum ppm	ASTM D5185(m) 100	<b>4</b>	---	---
Manganese ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium ppm	ASTM D5185(m) 450	<b>493</b>	---	---
Calcium ppm	ASTM D5185(m) 3000	<b>1969</b>	---	---
Phosphorus ppm	ASTM D5185(m) 1150	<b>899</b>	---	---
Zinc ppm	ASTM D5185(m) 1350	<b>1070</b>	---	---
Sulfur ppm	ASTM D5185(m) 4250	<b>3834</b>	---	---
Lithium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185(m) >25	<b>▲ 28</b>	---	---
Sodium ppm	ASTM D5185(m) >158	<b>3</b>	---	---
Potassium ppm	ASTM D5185(m) >20	<b>2</b>	---	---

## INFRA-RED

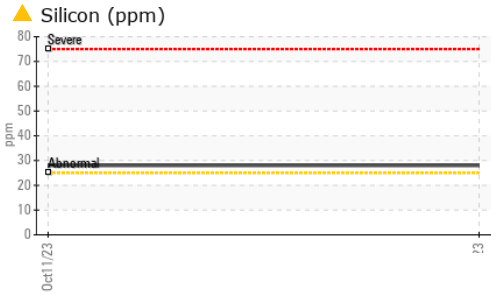
method	limit/base	current	history1	history2
Soot %	ASTM D7844* >3	<b>0</b>	---	---
Nitration Abs/cm	ASTM D7624* >20	<b>7.2</b>	---	---
Sulfation Abs/.1mm	ASTM D7415* >30	<b>17.9</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm	ASTM D7414* >25	<b>12.6</b>	---	---



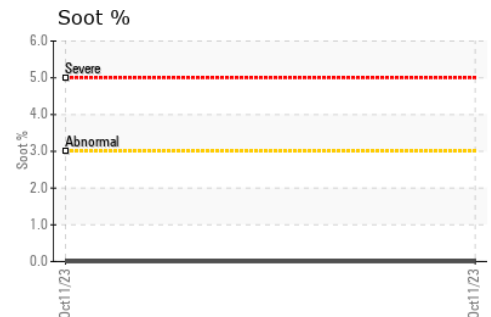
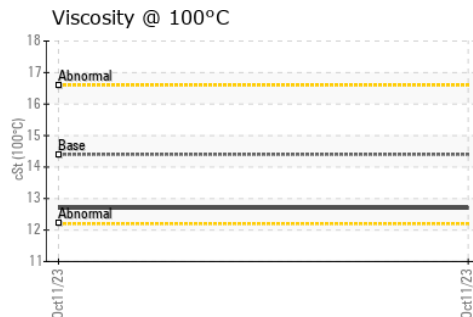
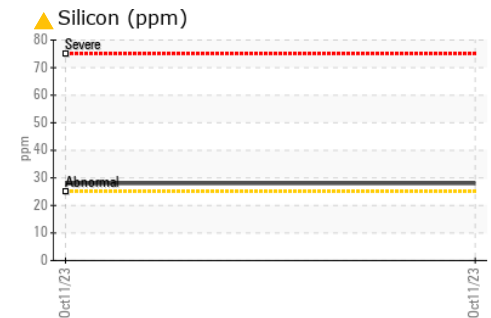
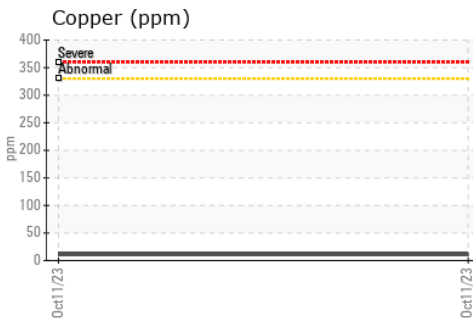
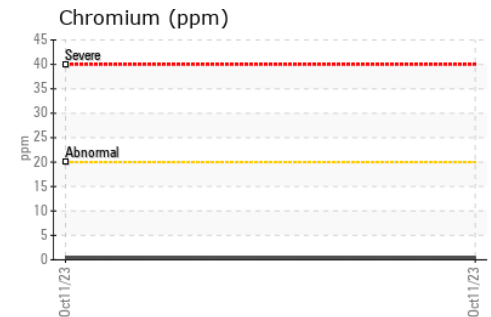
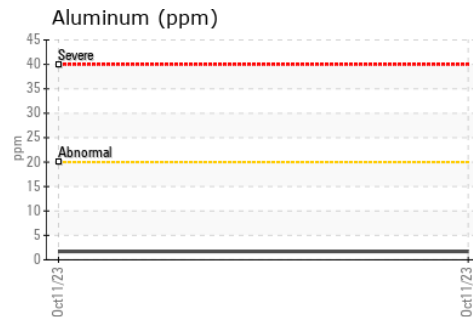
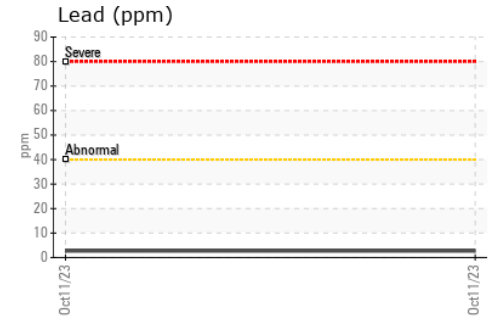
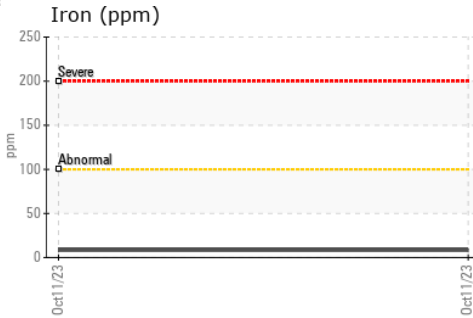
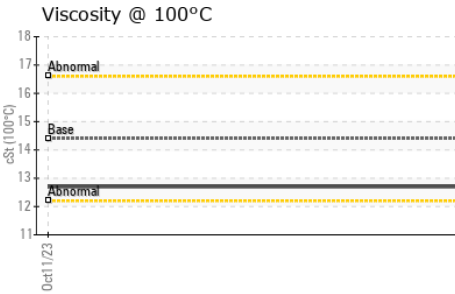
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	12.7	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONNIE'S GENERATOR SERVICE LTD.**  
**Sample No.** : WC0713317 **Received** : 13 Oct 2023 6459 NETHERHART ROAD  
**Lab Number** : 02588875 **Diagnosed** : 16 Oct 2023 MISSISSAUGA, ON  
**Unique Number** : 5657941 **Diagnostician** : Kevin Marson CA L5T 1C3  
**Test Package** : MOB 1 Contact: Bruno Memmolo

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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