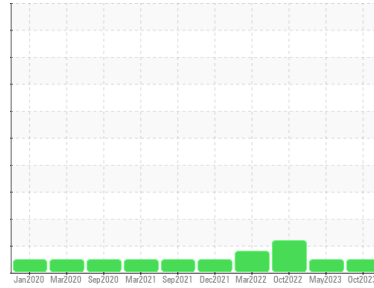




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**[41667030]**

Machine Id  
**9497**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 10W30 (--- GAL)**

## DIAGNOSIS

### 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 oil.

### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0796494</b>	WC0796283	WC0737966
Sample Date	Client Info			<b>08 Oct 2023</b>	08 May 2023	11 Oct 2022
Machine Age	kms	Client Info		<b>415439</b>	396175	362954
Oil Age	kms	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>3.0		<b>&lt;1.0</b>	<1.0	▲ 2.6
Glycol	WC Method			<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	<b>20</b>	62	17
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	7	4
Lead	ppm	ASTM D5185(m)	>40	<b>1</b>	3	1
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	5	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	1	<1
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	<b>80</b>	25	37
Barium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>&lt;1</b>	7	7
Manganese	ppm	ASTM D5185(m)		<b>0</b>	1	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>706</b>	691	696
Calcium	ppm	ASTM D5185(m)	3000	<b>1273</b>	1381	1368
Phosphorus	ppm	ASTM D5185(m)	1150	<b>661</b>	722	749
Zinc	ppm	ASTM D5185(m)	1350	<b>747</b>	771	776
Sulfur	ppm	ASTM D5185(m)	4250	<b>2412</b>	2398	2537
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

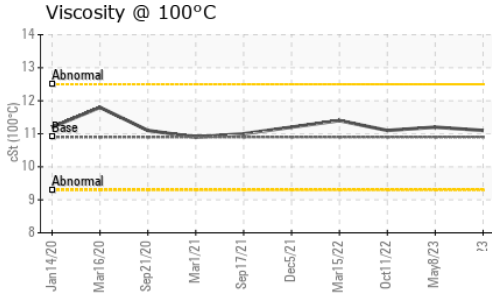
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	7	5
Sodium	ppm	ASTM D5185(m)		<b>2</b>	4	3
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	11	7

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	<b>0</b>	0.7	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.8</b>	15.7	10.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.4</b>	31.9	23.1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.0</b>	35.1	19.4



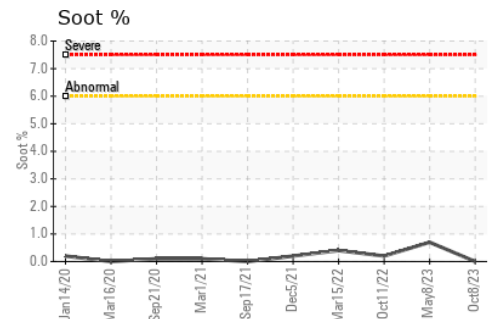
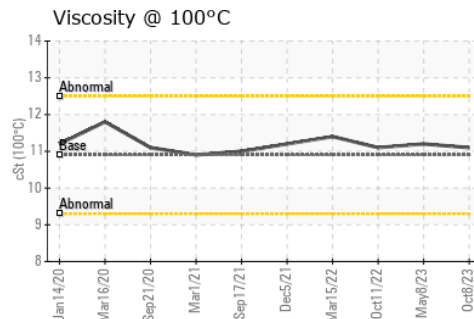
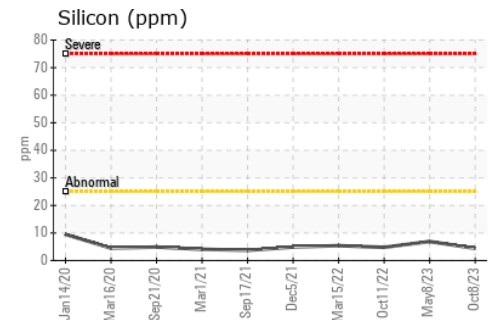
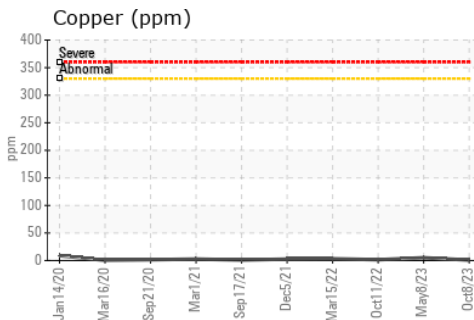
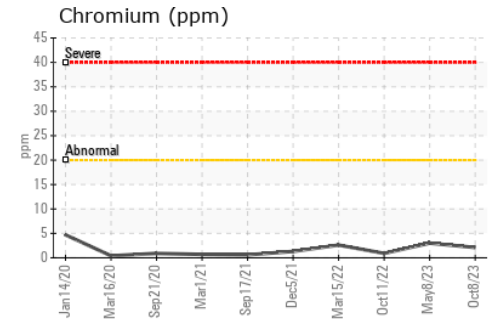
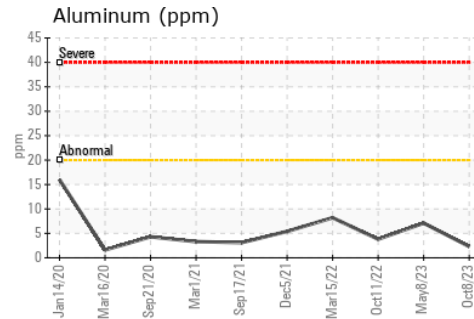
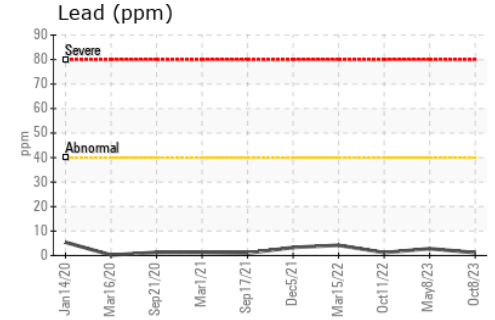
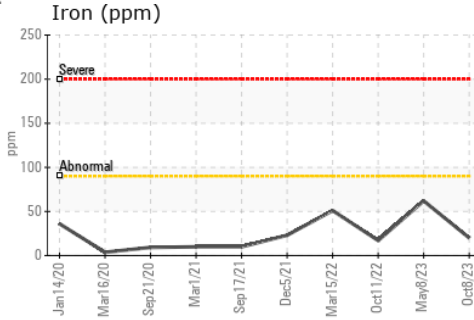
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.1	11.2 ▲ 11.1

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0796494 **Received** : 17 Oct 2023  
**Lab Number** : 02589551 **Diagnosed** : 17 Oct 2023  
**Unique Number** : 5658617 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

**Rush Truck Centres**  
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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.