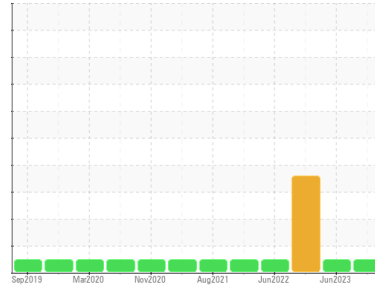




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**9590**

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>WC0853224</b>	WC0796225	WC0702656
Sample Date	Client Info			<b>07 Nov 2023</b>	15 Jun 2023	27 Jul 2022
Machine Age	kms	Client Info		<b>356794</b>	337916	326721
Oil Age	kms	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Not Changed</b>	Changed	Changed
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	<1.0
Water	WC Method	>0.2		<b>NEG</b>	NEG	NEG
Glycol	WC Method			<b>NEG</b>	NEG	▲ 0.013

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	<b>12</b>	16	12
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<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

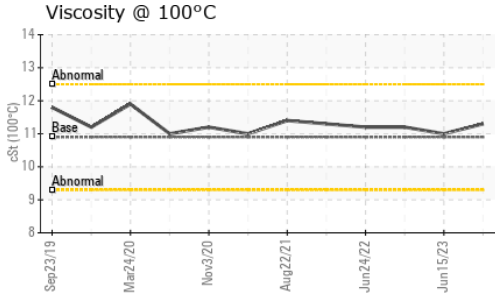
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	<b>58</b>	94	77
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>5</b>	54	11
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>705</b>	437	635
Calcium	ppm	ASTM D5185(m)	3000	<b>1369</b>	1714	1236
Phosphorus	ppm	ASTM D5185(m)	1150	<b>733</b>	1052	634
Zinc	ppm	ASTM D5185(m)	1350	<b>801</b>	1167	712
Sulfur	ppm	ASTM D5185(m)	4250	<b>2704</b>	2786	2348
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>	3	4
Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	14
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	2	▲ 16

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	<b>0.1</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.1</b>	7.4	7.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.2</b>	19.8	20.1

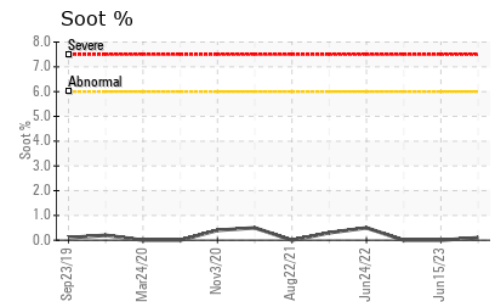
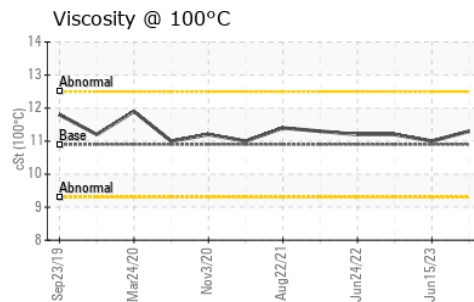
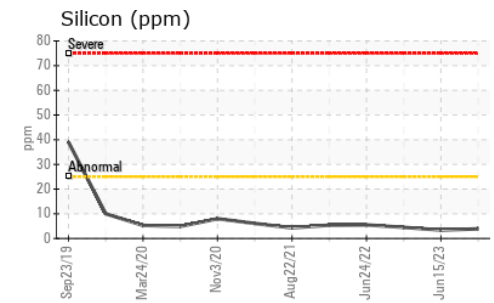
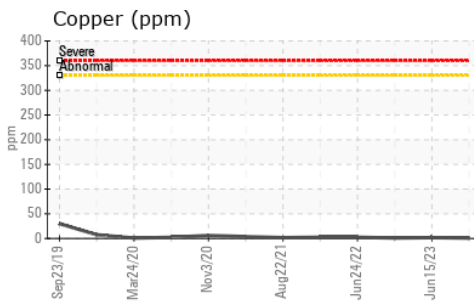
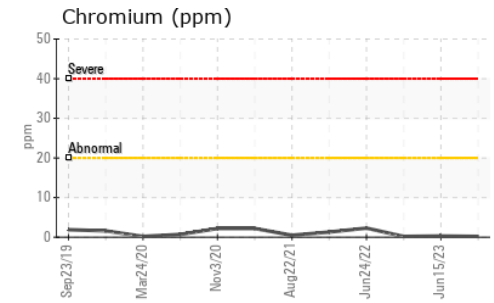
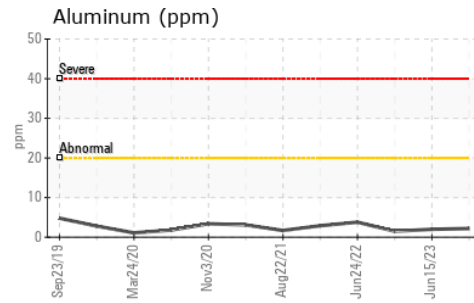
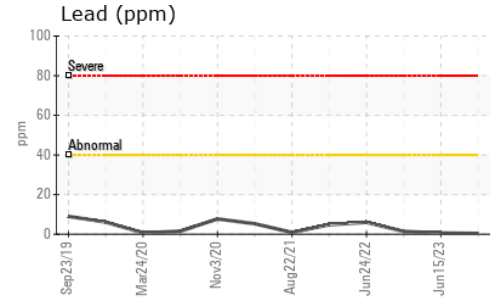
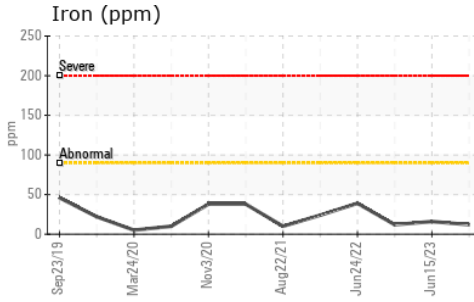


# OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>14.0</b>	15.9	14.8
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	<b>11.3</b>	11.0	11.2

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0853224 **Received** : 19 Jan 2024  
**Lab Number** : **02609852** **Diagnosed** : 19 Jan 2024  
**Unique Number** : 5710938 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**Rush Truck Centres**  
 7450 Torbram Rd.  
 Mississauga, ON  
 CA L4T 1G9  
 Contact: Serdar Okur  
 sokur@rushtruckcentres.ca  
 T: (905)671-7600  
 F:

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.