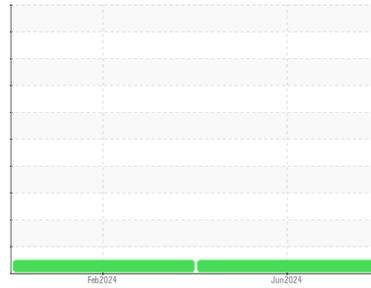




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**224-1801**

Component  
**Diesel Engine**

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

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### 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>WC0914646</b>	WC0423843	---
Sample Date	Client Info			<b>11 Jun 2024</b>	01 Feb 2024	---
Machine Age	hrs	Client Info		<b>10312</b>	9821	---
Oil Age	hrs	Client Info		<b>0</b>	488	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>17</b>	8	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>4</b>	2	---
Lead	ppm	ASTM D5185(m)	>40	<b>8</b>	3	---
Copper	ppm	ASTM D5185(m)	>330	<b>4</b>	3	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

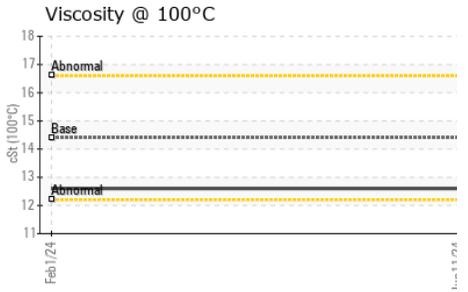
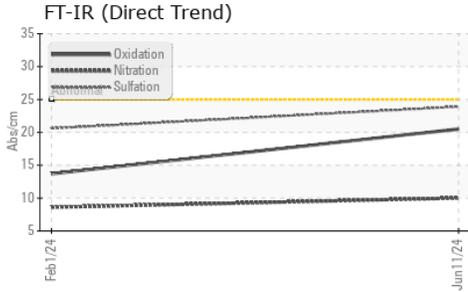
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	<b>6</b>	12	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>5</b>	22	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	450	<b>66</b>	161	---
Calcium	ppm	ASTM D5185(m)	3000	<b>2157</b>	2062	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>899</b>	914	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1065</b>	1043	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2842</b>	2955	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	2	---
Sodium	ppm	ASTM D5185(m)	>158	<b>4</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0.7</b>	0.4	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.0</b>	8.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.9</b>	20.6	---



# OIL ANALYSIS REPORT

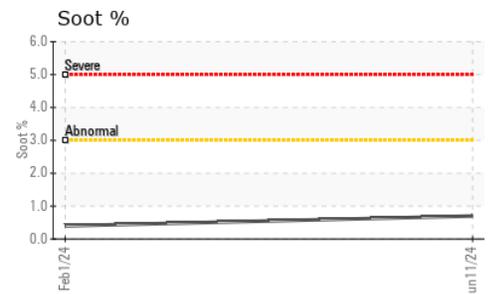
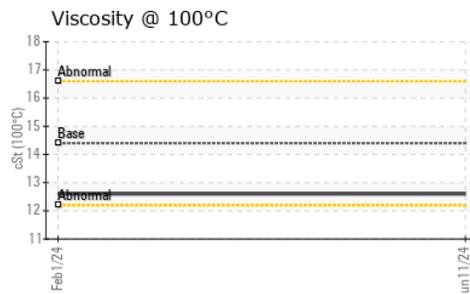
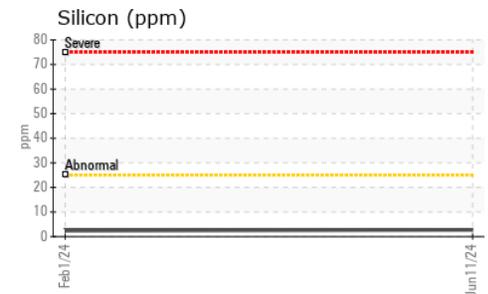
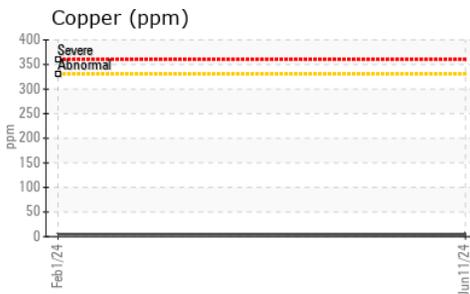
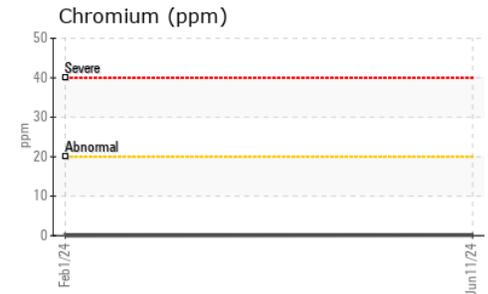
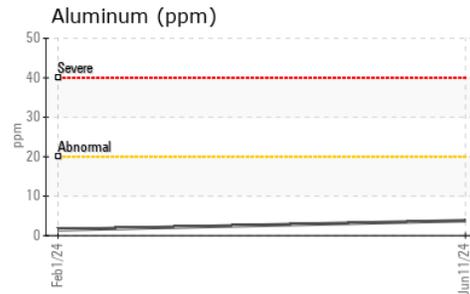
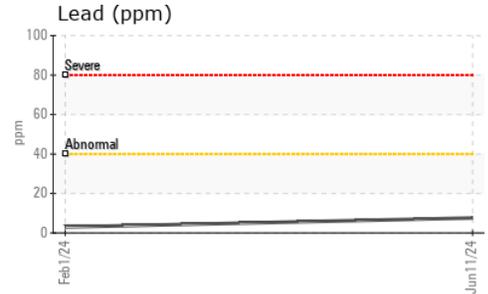
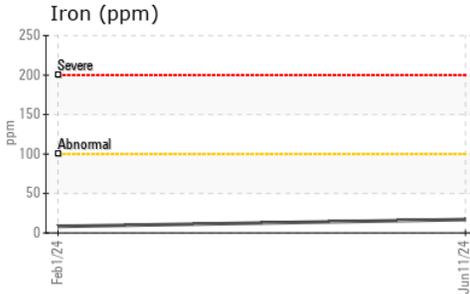


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>20.5</b>	13.7	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>12.6</b>	12.6	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0914646      **Received** : 14 Jun 2024  
**Lab Number** : **02641899**      **Tested** : 14 Jun 2024  
**Unique Number** : 5799438      **Diagnosed** : 14 Jun 2024 - Wes Davis  
**Test Package** : MOB 1

**E.C. KING CONTRACTING**  
 2125 - 20TH AVENUE EAST  
 OWEN SOUND, ON  
 CA N4K 5P7  
 Contact: Daniel Fleet  
 daniel.fleet@millergroup.ca

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.

F: (519)371-2783