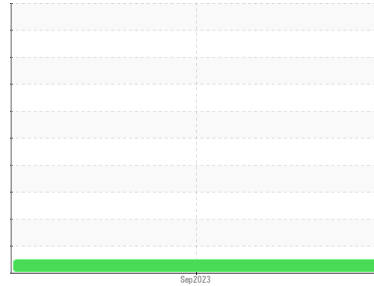


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**THE STATE GROUP [174787]**  
Machine Id  
**526106210 GEN RED 902**  
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>WA0020293</b>	---	---
Sample Date	Client Info			<b>11 Sep 2023</b>	---	---
Machine Age	yrs	Client Info		<b>0</b>	---	---
Oil Age	yrs	Client Info		<b>5</b>	---	---
Oil Changed	Client Info			<b>Not Chngd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

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

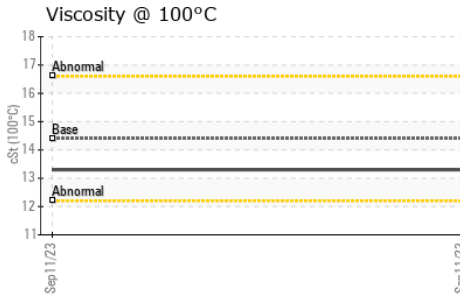
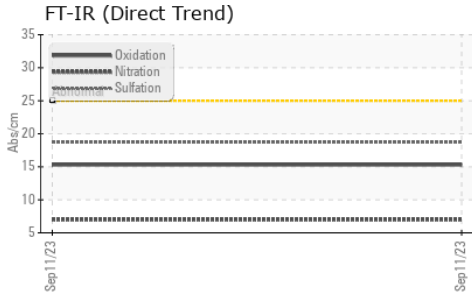
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>4</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>1</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>8</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</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>63</b>	---	---
Barium	ppm	ASTM D5185(m)	10	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>23</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	450	<b>226</b>	---	---
Calcium	ppm	ASTM D5185(m)	3000	<b>2118</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>955</b>	---	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1132</b>	---	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>3269</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>5</b>	---	---
Sodium	ppm	ASTM D5185(m)	>158	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.0</b>	---	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>18.7</b>	---	---

# OIL ANALYSIS REPORT

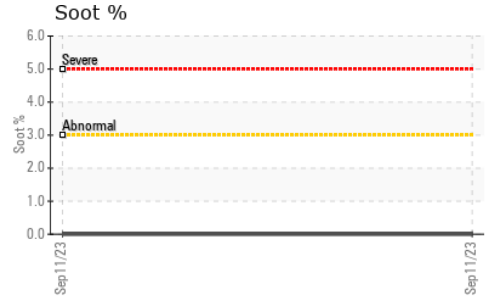
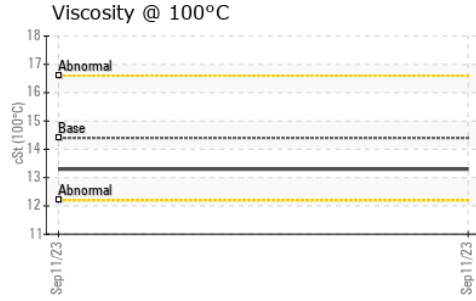
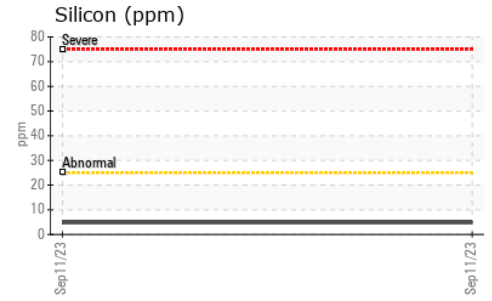
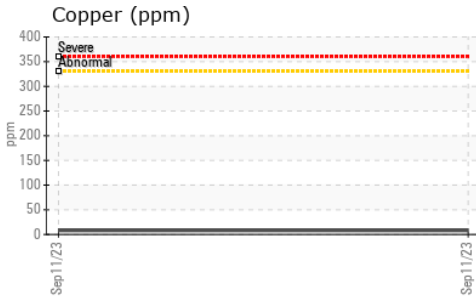
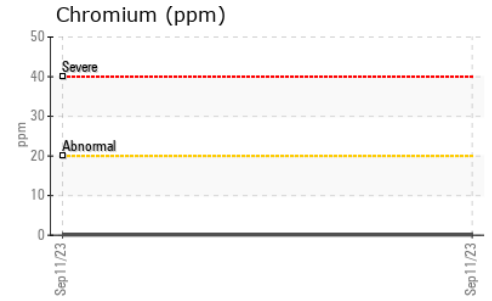
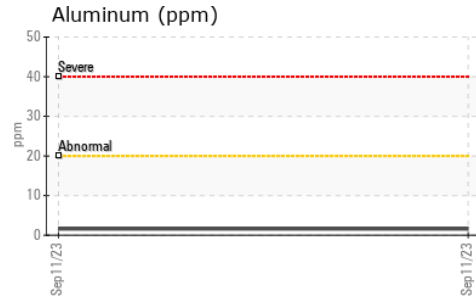
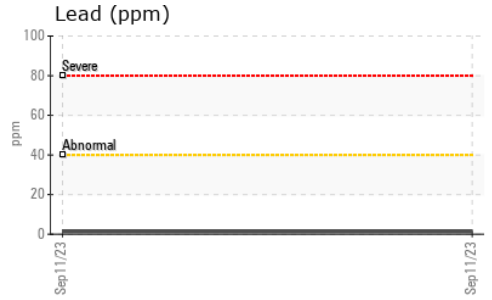
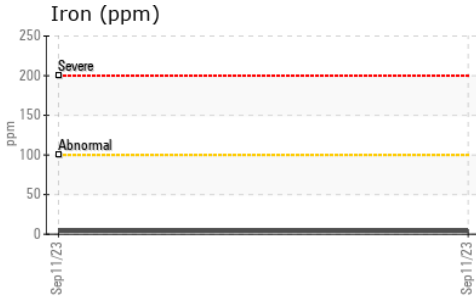


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>15.3</b>	---	---

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>13.3</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0020293 **Received** : 04 Oct 2023  
**Lab Number** : **02586675** **Tested** : 04 Oct 2023  
**Unique Number** : 5655741 **Diagnosed** : 04 Oct 2023 - Wes Davis  
**Test Package** : MOB 1

**Wajax Power Systems**  
 10 Diesel Drive  
 Toronto, ON  
 CA M8W 2T8  
 Contact: Komal Ramotar  
 kramotar@wajax.com  
 T: (416)259-3281  
 F: (416)251-6191

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.