

# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**BMI FINANCE [6100313382]**  
Machine Id  
**926-986-C-1172481**  
Component  
**Diesel Engine**  
Fluid  
**SAE 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### 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>WA0021183</b>	---	---
Sample Date	Client Info		<b>19 Jun 2024</b>	---	---
Machine Age	hrs	Client Info	<b>134</b>	---	---
Oil Age	hrs	Client Info	<b>6</b>	---	---
Oil Changed	Client Info		<b>Changed</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>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	<b>3</b>	---	---
Chromium	ppm	ASTM D5185(m) >20	<b>0</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>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m) >40	<b>2</b>	---	---
Copper	ppm	ASTM D5185(m) >330	<b>2</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)	<b>6</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>57</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>902</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>1053</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>971</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>1096</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>2514</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

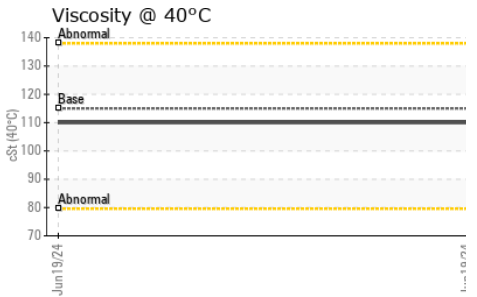
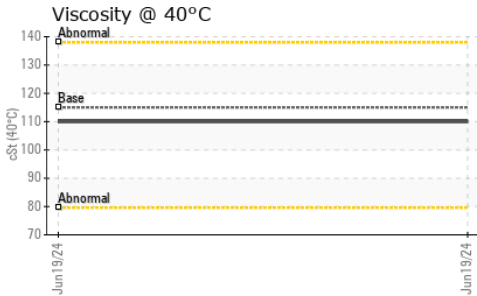
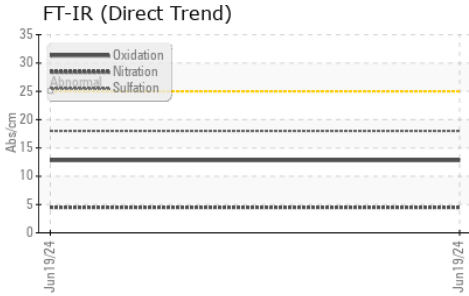
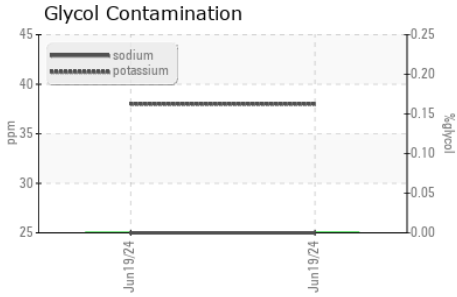
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>3</b>	---	---
Sodium	ppm	ASTM D5185(m) >57	<b>25</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>38</b>	---	---
Glycol	%	ASTM D7922*	<b>0.0</b>	---	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624* >20	<b>4.5</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>18.0</b>	---	---

# OIL ANALYSIS REPORT

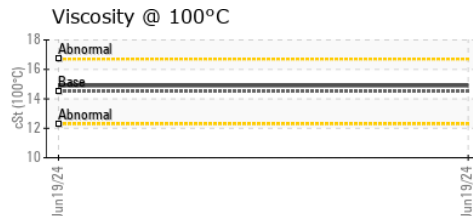
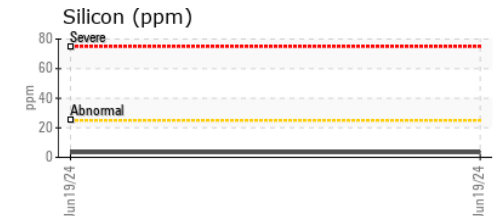
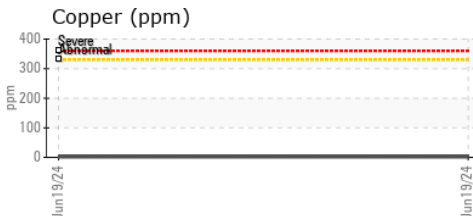
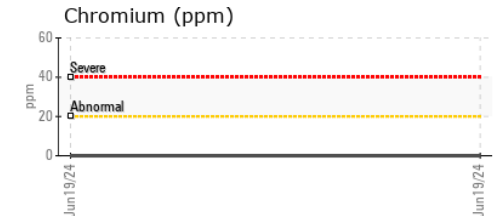
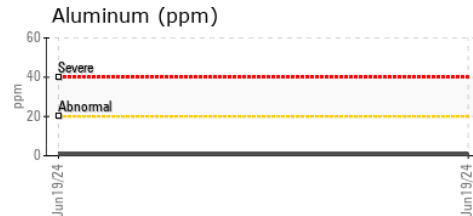
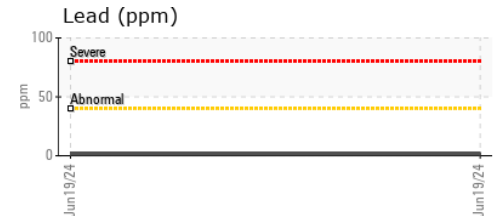
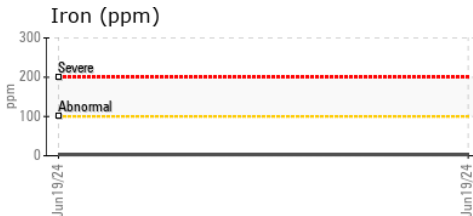


FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	12.8	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	VLITE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	115	110	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	14.9	---
Viscosity Index (VI)	Scale	ASTM D2270*	128	140	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021183 **Received** : 21 Jun 2024  
**Lab Number** : 02643370 **Tested** : 25 Jun 2024  
**Unique Number** : 5800909 **Diagnosed** : 25 Jun 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KV40, VI, Visual )

**Wajax Industrial Components**  
 3 MacAleer Drive  
 Charlottetown, PE  
 CA C1E 2A1  
 Contact: Barry Beach  
 bbeach@wajax.com

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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