



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**[1032]**  
 Machine Id  
**TELB00107**  
 Component  
**Diesel Engine**  
 Fluid  
**SAE 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a components first oil change.

### 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>WC0957967</b>	---	---
Sample Date	Client Info		<b>09 Jul 2024</b>	---	---
Machine Age	hrs	Client Info	<b>3</b>	---	---
Oil Age	hrs	Client Info	<b>3</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>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >150	<b>8</b>	---	---
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >20	<b>4</b>	---	---
Lead	ppm	ASTM D5185(m) >40	<b>7</b>	---	---
Copper	ppm	ASTM D5185(m) >30	<b>14</b>	---	---
Tin	ppm	ASTM D5185(m) >15	<b>6</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>263</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>4</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>99</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>6</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>624</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>1429</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>673</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>786</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>2110</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

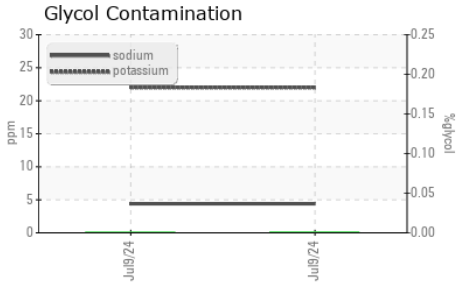
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>31</b>	---	---
Sodium	ppm	ASTM D5185(m) >57	<b>4</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>22</b>	---	---
Glycol	%	ASTM D7922*	<b>0.0</b>	---	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624* >20	<b>5.4</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>20.9</b>	---	---



# OIL ANALYSIS REPORT

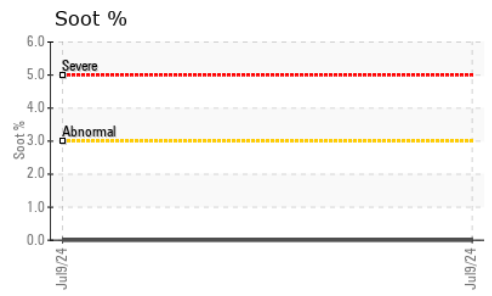
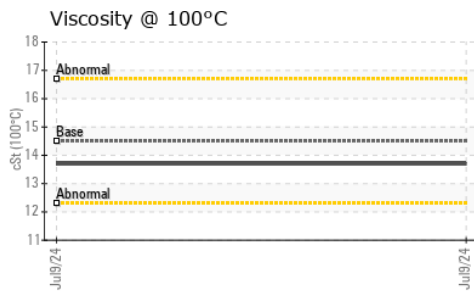
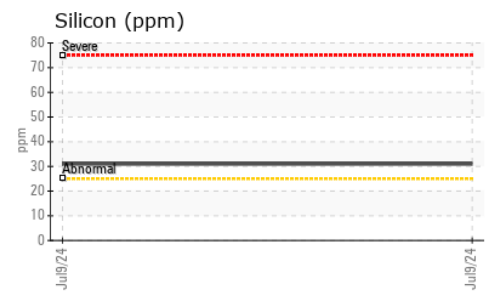
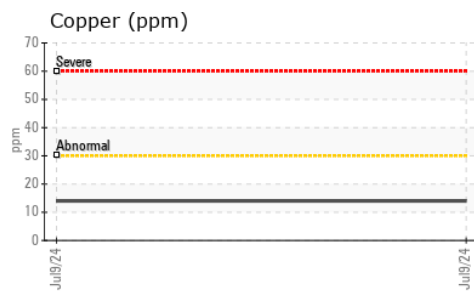
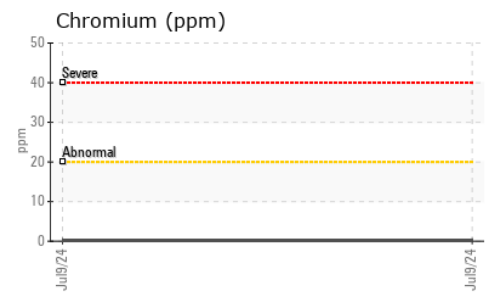
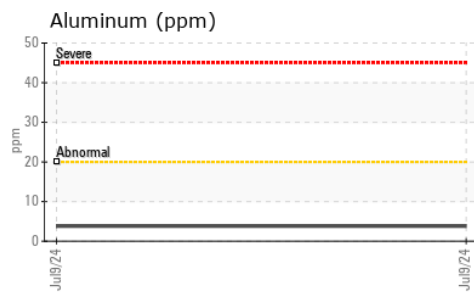
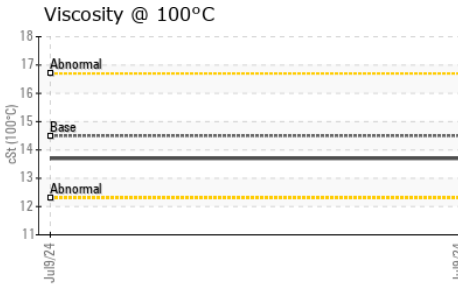
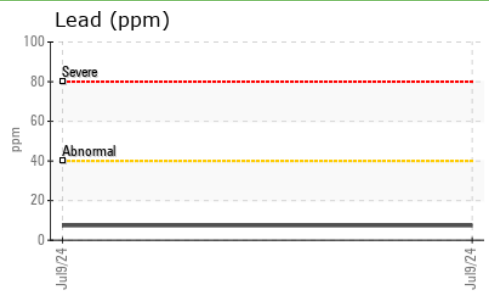
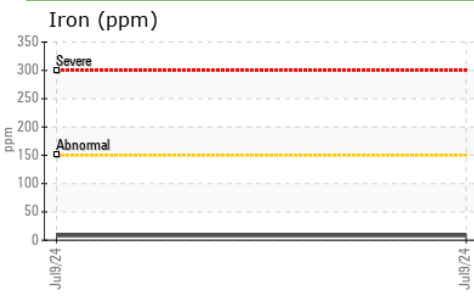
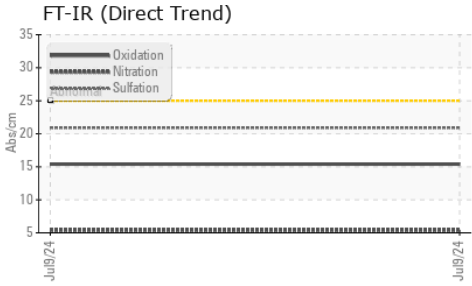


FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	15.4	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	13.7	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0957967 **Received** : 10 Jul 2024  
**Lab Number** : 02646845 **Tested** : 10 Jul 2024  
**Unique Number** : 5812397 **Diagnosed** : 10 Jul 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Glycol )

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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.