



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**MERCEDES LF2271**

Component  
**Diesel Engine**

Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du SAE 40 Diesel Engine Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans l'huile.

### Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0797584</b>	---	---
Sample Date	Client Info			<b>09 Jan 2024</b>	---	---
Machine Age	hrs	Client Info		<b>10070</b>	---	---
Oil Age	hrs	Client Info		<b>864</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>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>5</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</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>	---	---

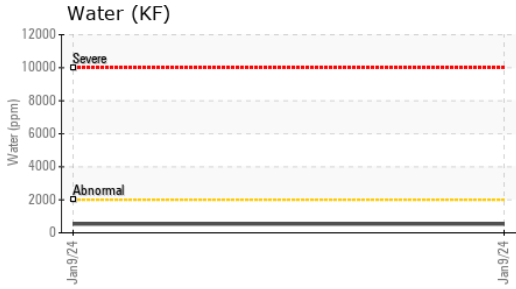
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>59</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>980</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1119</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>1010</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>1212</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2415</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>1</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Water	%	ASTM D6304*	>0.2	<b>0.053</b>	---	---
ppm Water	ppm	ASTM D6304*	>2000	<b>534</b>	---	---
Glycol	%	ASTM D7922*		<b>NEG</b>	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.3</b>	---	---
Sulfation	Abs.1mm	ASTM D7415*	>30	<b>20.6</b>	---	---



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FLUID DEGRADATION	method	limit/base	current	history1	history2
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Oxidation	Abs./1mm	ASTM D7414*	>25	<b>18.7</b>	---	---
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VISUAL	method	limit/base	current	history1	history2
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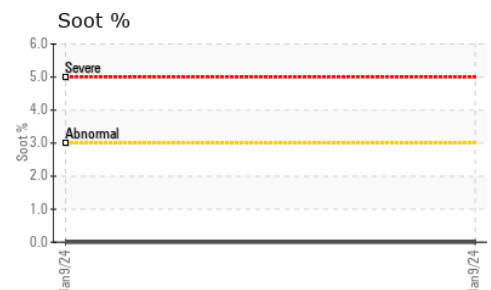
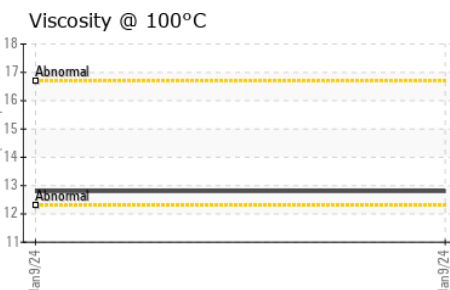
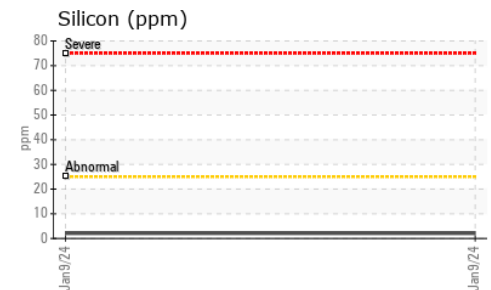
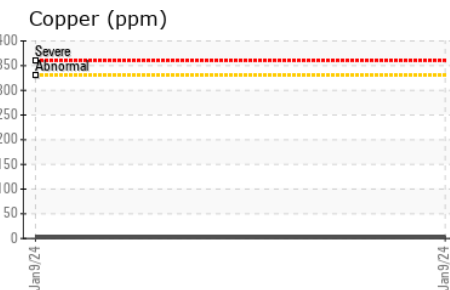
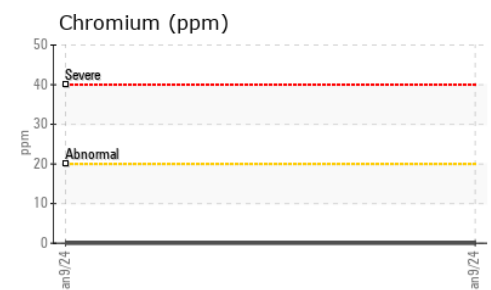
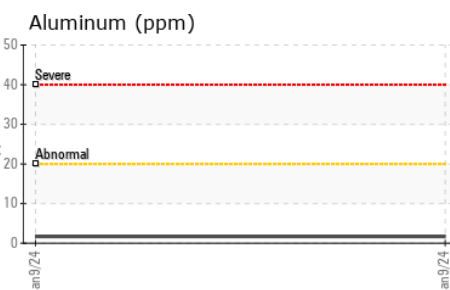
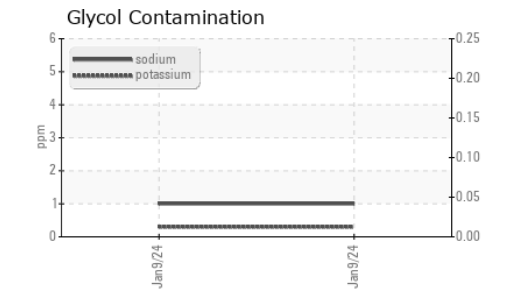
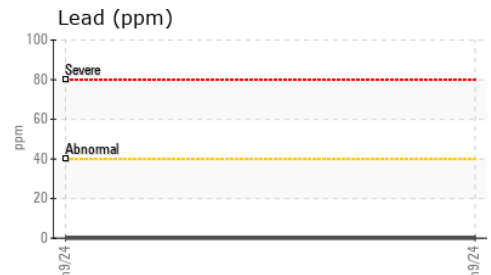
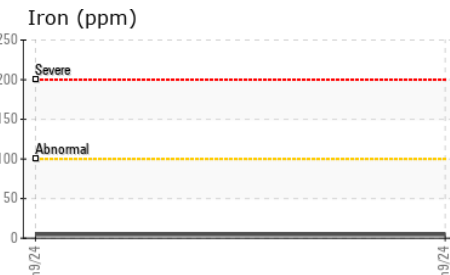
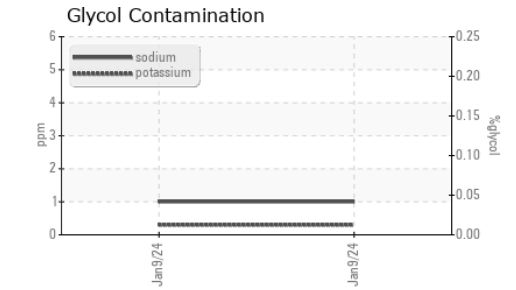
Emulsified Water	scalar	Visual*	>0.2	<b>.2%</b>	---	---
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Free Water	scalar	Visual*		<b>NEG</b>	---	---
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FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 100°C	cSt	ASTM D7279(m)		<b>12.8</b>	---	---
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0797584 **Received** : 12 Jan 2024  
**Lab Number** : 02608349 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 5709435 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KF )

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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