



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[399876]**  
 Machine Id  
**622667**  
 Component  
**Rear Axle**  
 Fluid  
**VOLVO WB 102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP450207</b>	VCP352910	---
Sample Date		Client Info		<b>13 Apr 2024</b>	22 Dec 2022	---
Machine Age	hrs	Client Info		<b>3000</b>	1053	---
Oil Age	hrs	Client Info		<b>1000</b>	1000	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>31</b>	113	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	4	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>30	<b>1</b>	1	---
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>120	<b>&lt;1</b>	10	---
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

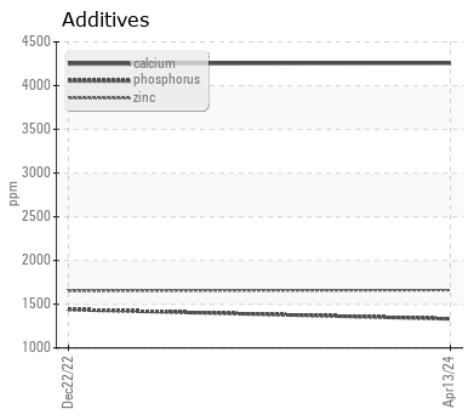
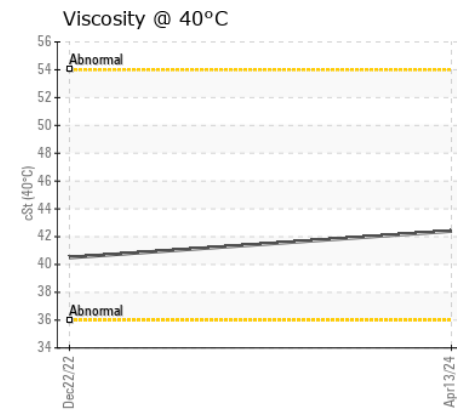
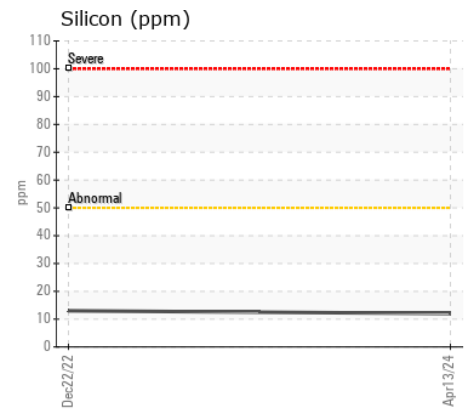
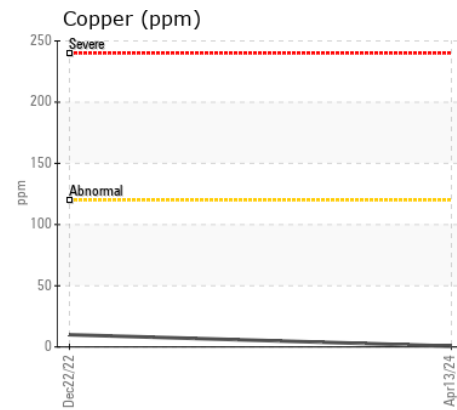
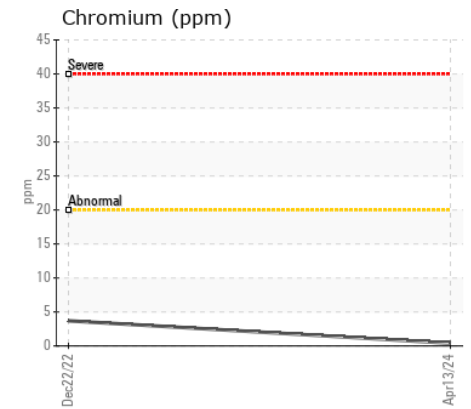
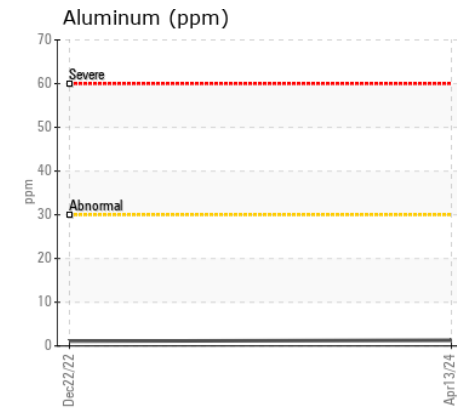
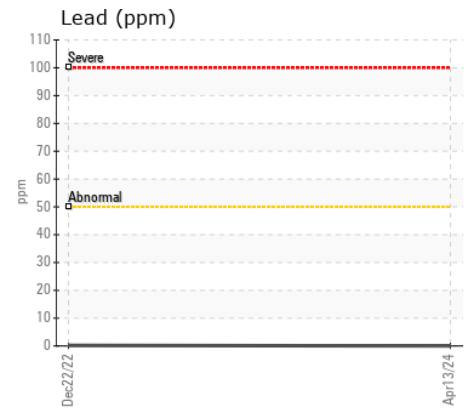
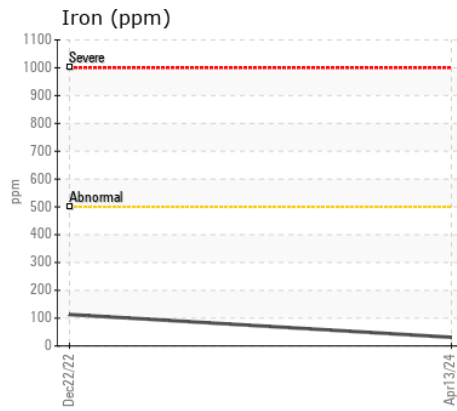
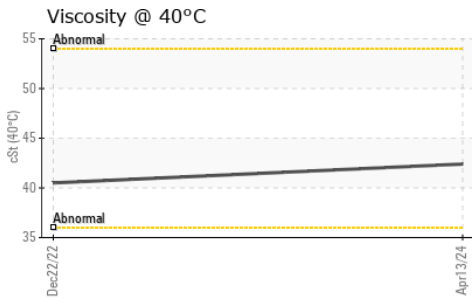
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>12</b>	13	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>1</b>	9	---
Boron	ppm	ASTM D5185(m)		<b>125</b>	117	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	3	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	8	---
Magnesium	ppm	ASTM D5185(m)		<b>17</b>	11	---
Calcium	ppm	ASTM D5185(m)		<b>4257</b>	4253	---
Phosphorus	ppm	ASTM D5185(m)		<b>1332</b>	1439	---
Zinc	ppm	ASTM D5185(m)		<b>1661</b>	1654	---
Sulfur	ppm	ASTM D5185(m)		<b>3342</b>	3464	---
Visc @ 40°C	cSt	ASTM D7279(m)		<b>42.4</b>	40.5	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP450207 **Received** : 17 Apr 2024  
**Lab Number** : 02629781 **Tested** : 18 Apr 2024  
**Unique Number** : 5762913 **Diagnosed** : 18 Apr 2024 - Wes Davis  
**Test Package** : MOB 1

**CRH CANADA GROUP INC.**  
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 CONCORD, ON  
 CA L4K 1B6  
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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.

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F: