



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[8-388971]**  
 Machine Id  
**16-8116**  
 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>VCP394479</b>	VCP380439	VCP352976
Sample Date		Client Info		<b>20 Dec 2023</b>	24 Jul 2023	08 Nov 2022
Machine Age	hrs	Client Info		<b>3022</b>	1928	1071
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>45</b>	73	124
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	4
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>2</b>	2	1
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>120	<b>3</b>	5	15
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

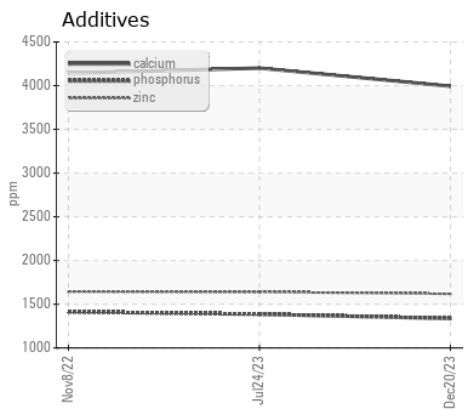
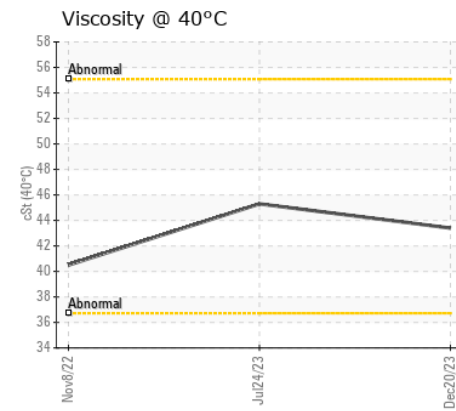
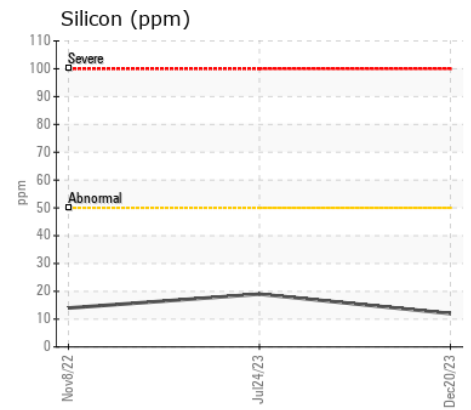
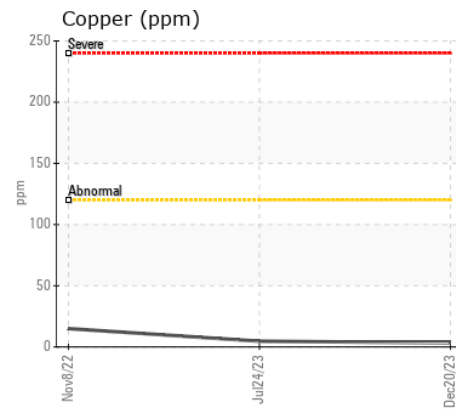
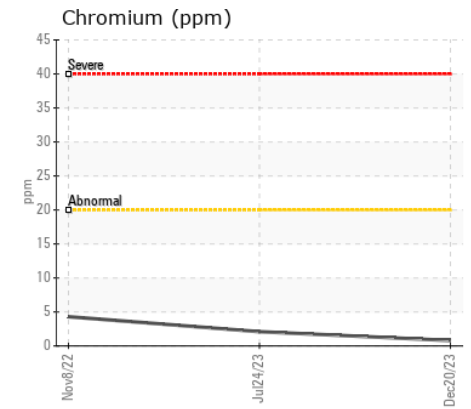
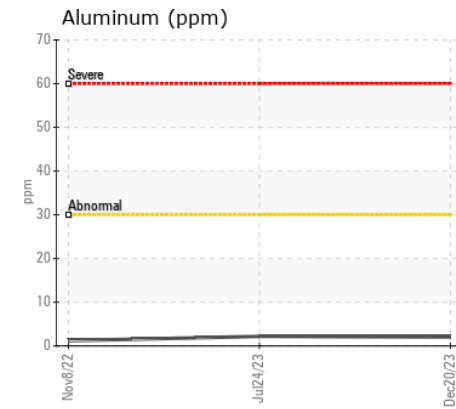
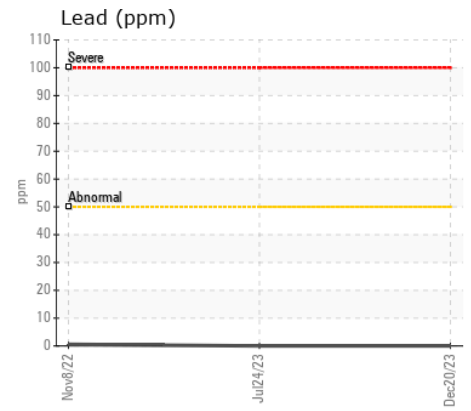
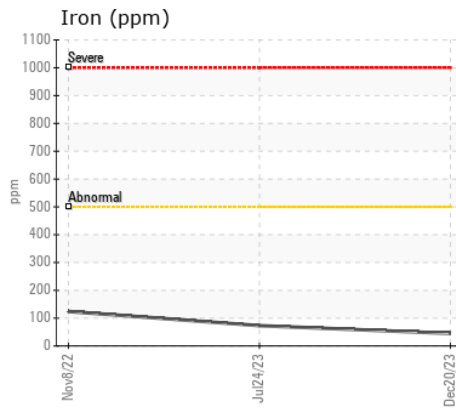
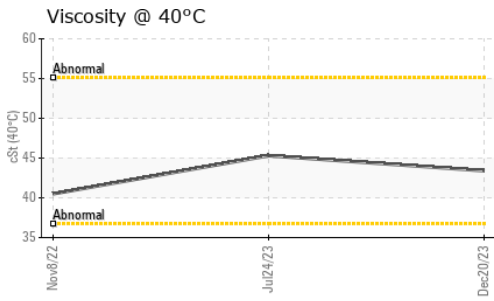
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>12</b>	19	14
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	2
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	9
Boron	ppm	ASTM D5185(m)		<b>117</b>	121	118
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	5
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	3	8
Magnesium	ppm	ASTM D5185(m)		<b>27</b>	17	11
Calcium	ppm	ASTM D5185(m)		<b>3994</b>	4201	4143
Phosphorus	ppm	ASTM D5185(m)		<b>1337</b>	1386	1413
Zinc	ppm	ASTM D5185(m)		<b>1618</b>	1640	1644
Sulfur	ppm	ASTM D5185(m)		<b>3929</b>	3532	3529
Visc @ 40°C	cSt	ASTM D7279(m)		<b>43.4</b>	45.3	40.5



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP394479 **Received** : 22 Jan 2024  
**Lab Number** : 02610373 **Diagnosed** : 22 Jan 2024  
**Unique Number** : 5711459 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

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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: