



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[394172]**  
Machine Id  
**16-8006**  
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>VCP382297</b>	VCP394185	VCP394615
Sample Date		Client Info		<b>10 Feb 2024</b>	17 Sep 2023	26 May 2023
Machine Age	hrs	Client Info		<b>12000</b>	11000	10000
Oil Age	hrs	Client Info		<b>2000</b>	1000	2000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>48</b>	19	102
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>3</b>	2	5
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>120	<b>13</b>	6	23
Tin	ppm	ASTM D5185(m)	>20	<b>1</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

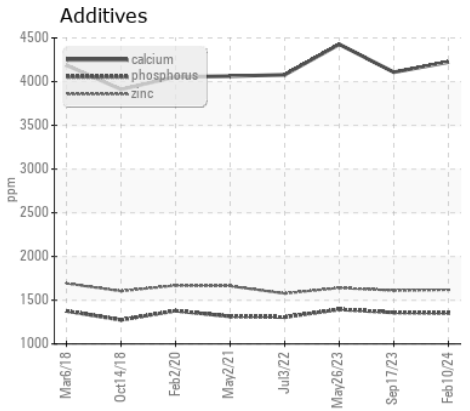
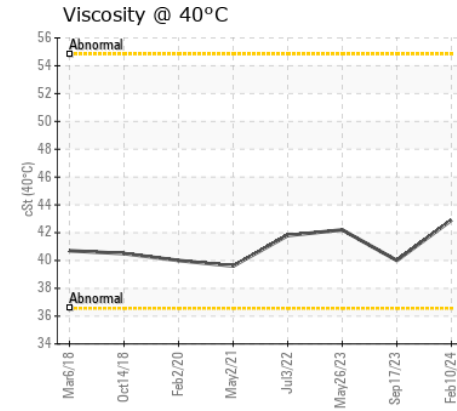
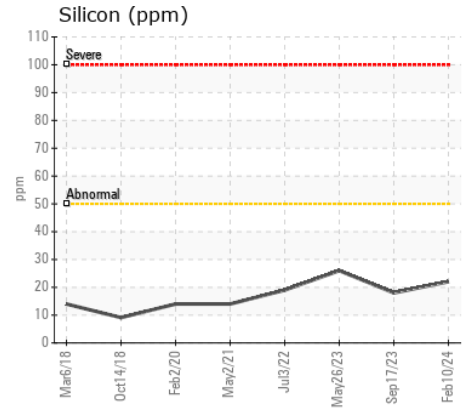
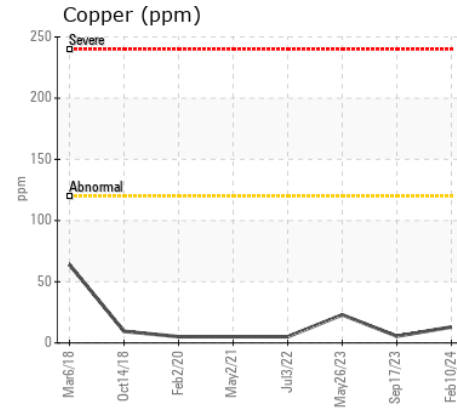
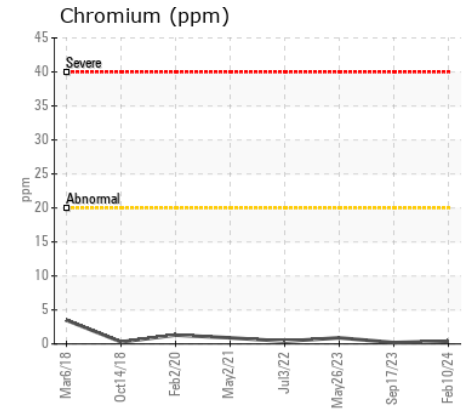
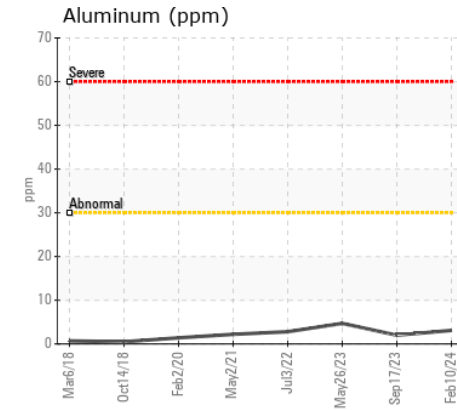
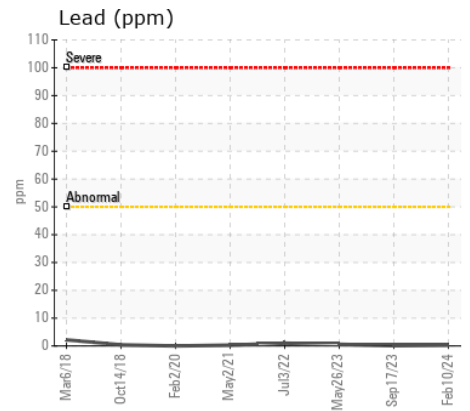
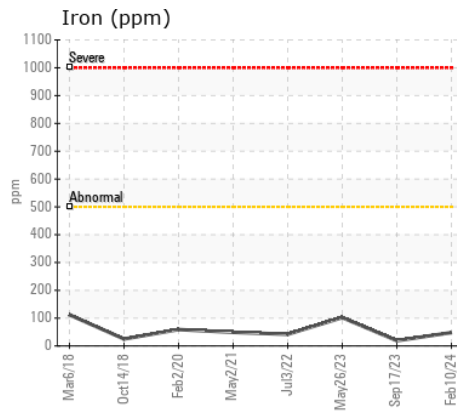
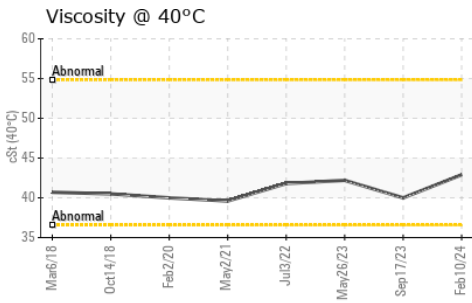
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>22</b>	18	26
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	1
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>	<1	2
Boron	ppm	ASTM D5185(m)		<b>115</b>	114	122
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185(m)		<b>19</b>	16	22
Calcium	ppm	ASTM D5185(m)		<b>4223</b>	4108	4427
Phosphorus	ppm	ASTM D5185(m)		<b>1353</b>	1359	1395
Zinc	ppm	ASTM D5185(m)		<b>1619</b>	1612	1641
Sulfur	ppm	ASTM D5185(m)		<b>3515</b>	3363	3249
Visc @ 40°C	cSt	ASTM D7279(m)		<b>42.9</b>	40.0	42.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP382297  
**Lab Number** : 02616069  
**Unique Number** : 5733179  
**Test Package** : MOB 1  
**Received** : 15 Feb 2024  
**Tested** : 15 Feb 2024  
**Diagnosed** : 15 Feb 2024 - Wes Davis

**CRH CANADA GROUP INC.**  
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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: