



# VOLVO

## OIL ANALYSIS REPORT

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

Area  
**REGION OF WATERLOO [406065]**

Machine Id  
**VOLVO L120H 633154**

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>VCP448167</b>	VCP392070	VCP391789
Sample Date		Client Info		<b>29 May 2024</b>	11 Jan 2024	30 Aug 2023
Machine Age	hrs	Client Info		<b>5042</b>	4039	3000
Oil Age	hrs	Client Info		<b>1000</b>	4000	3000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>17</b>	149	120
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	3	3
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>120	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
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

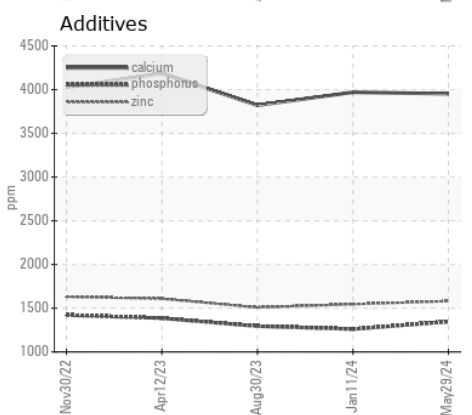
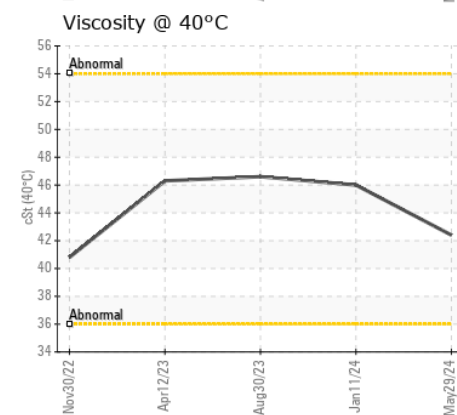
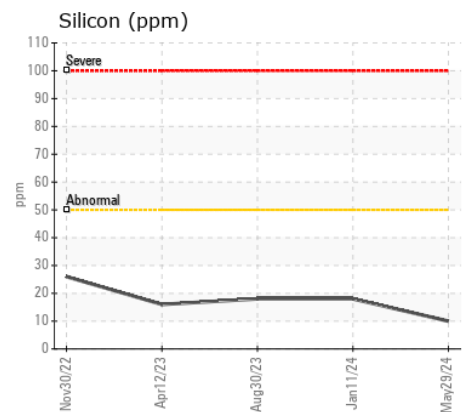
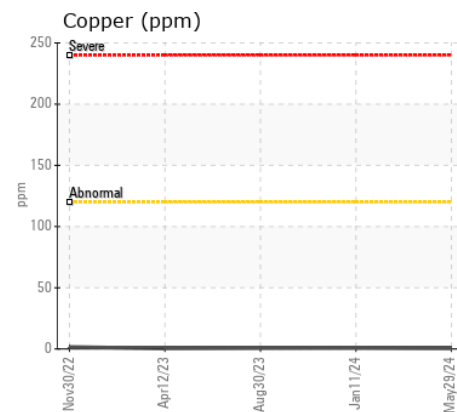
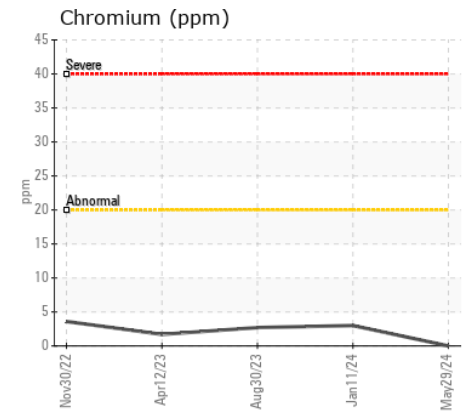
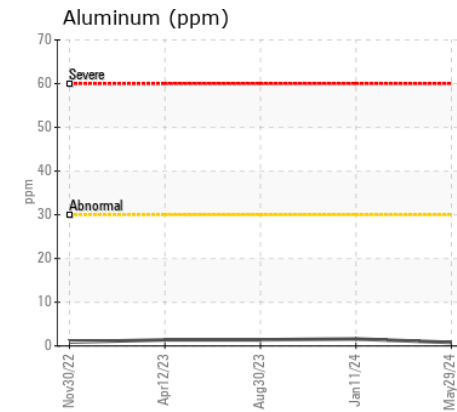
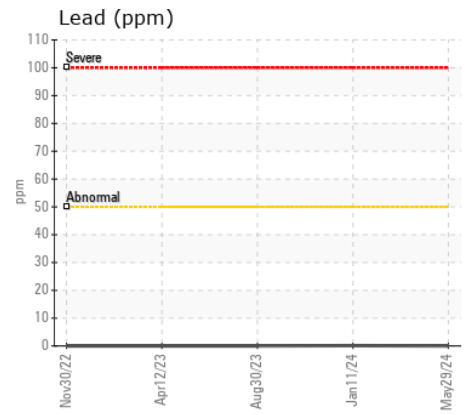
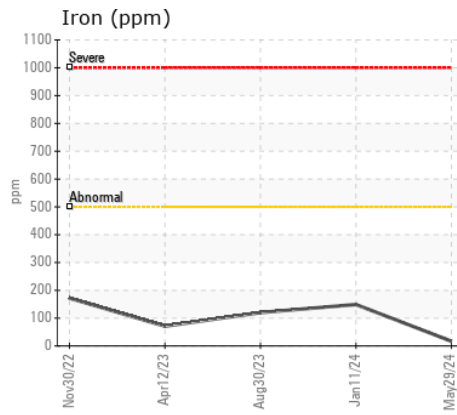
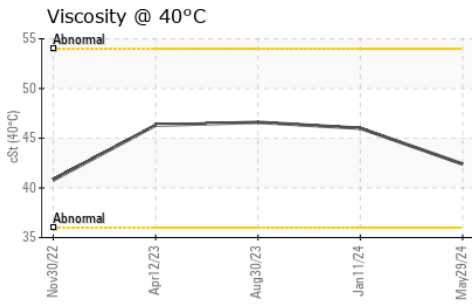
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>10</b>	18	18
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</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>	4	4
Boron	ppm	ASTM D5185(m)		<b>112</b>	112	115
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	4	4
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	6	5
Magnesium	ppm	ASTM D5185(m)		<b>12</b>	17	17
Calcium	ppm	ASTM D5185(m)		<b>3953</b>	3970	3821
Phosphorus	ppm	ASTM D5185(m)		<b>1347</b>	1261	1295
Zinc	ppm	ASTM D5185(m)		<b>1581</b>	1546	1509
Sulfur	ppm	ASTM D5185(m)		<b>3153</b>	4023	3890
Visc @ 40°C	cSt	ASTM D7279(m)		<b>42.4</b>	46.0	46.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP448167  
**Lab Number** : 02639977  
**Unique Number** : 5789139  
**Test Package** : MOB 1  
**Received** : 05 Jun 2024  
**Tested** : 06 Jun 2024  
**Diagnosed** : 06 Jun 2024 - Kevin Marson

**Strongco Equipment**  
 5179 Fountain St N.  
 Breslau, ON  
 CA N0B 1M0  
 Contact: Eric Mailloux  
 emailoux@strongco.com  
 T: (519)744-3518  
 F: (519)744-3284

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.