



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L110H 05631970**  
Component  
**Rear Axle**  
Fluid  
**VOLVO WB 101 (--- GAL)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

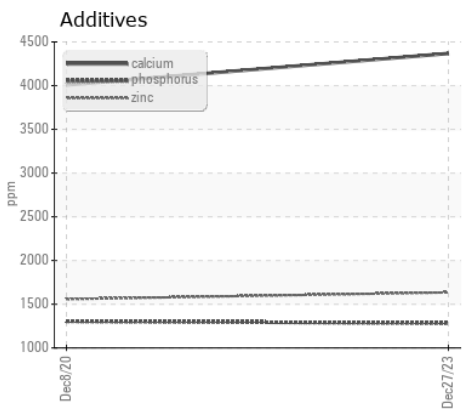
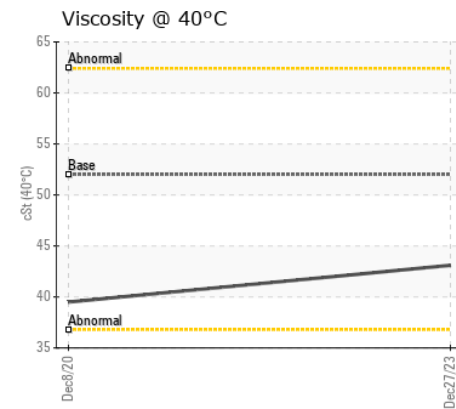
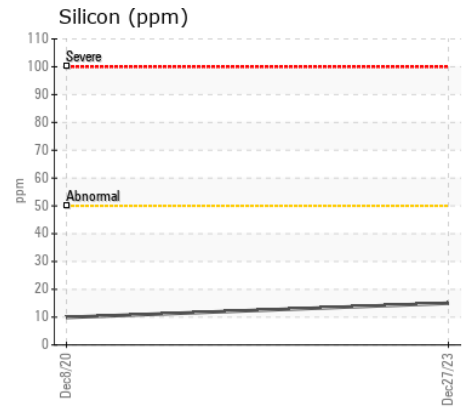
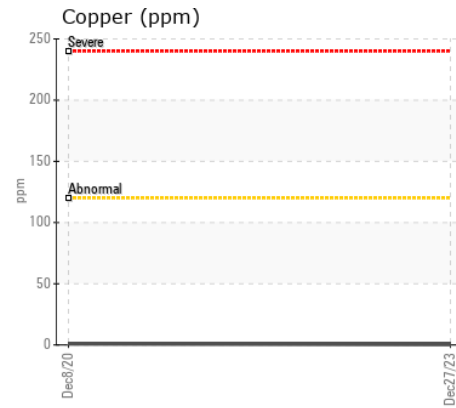
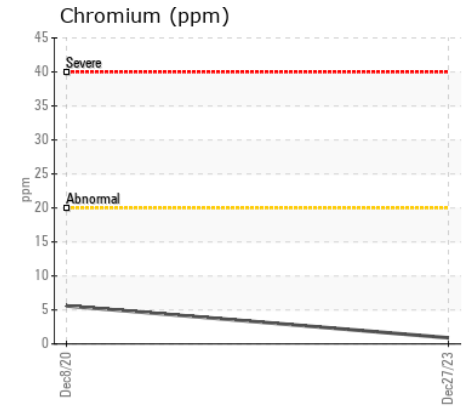
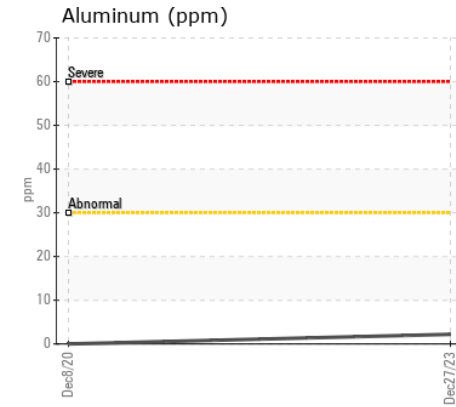
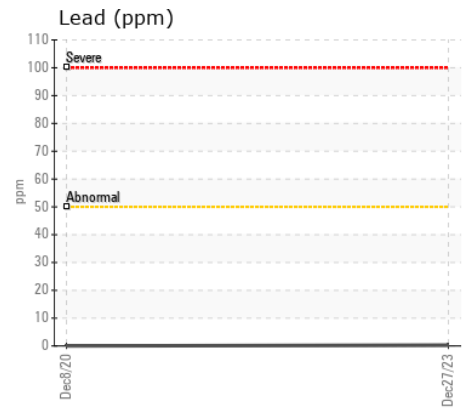
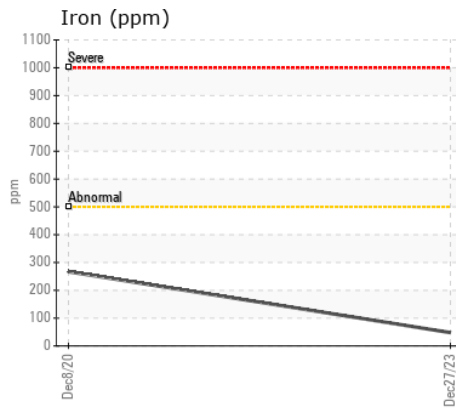
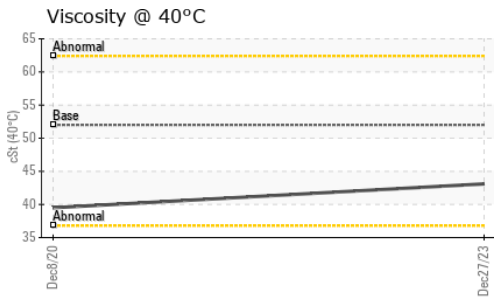
### CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP439470</b>	VCP294645	---
Sample Date		Client Info		<b>27 Dec 2023</b>	08 Dec 2020	---
Machine Age	hrs	Client Info		<b>4896</b>	1155	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---
Iron	ppm	ASTM D5185m	>500	<b>48</b>	267	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	6	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>120	<b>&lt;1</b>	1	---
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>50	<b>15</b>	10	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</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	---
Sodium	ppm	ASTM D5185m		<b>0</b>	7	---
Boron	ppm	ASTM D5185m	100	<b>145</b>	129	---
Barium	ppm	ASTM D5185m	0	<b>7</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	13	---
Manganese	ppm	ASTM D5185m		<b>2</b>	11	---
Magnesium	ppm	ASTM D5185m	0	<b>16</b>	13	---
Calcium	ppm	ASTM D5185m	3800	<b>4368</b>	4008	---
Phosphorus	ppm	ASTM D5185m	1200	<b>1284</b>	1305	---
Zinc	ppm	ASTM D5185m	1500	<b>1635</b>	1558	---
Sulfur	ppm	ASTM D5185m	6500	<b>4388</b>	3436	---
Visc @ 40°C	cSt	ASTM D445	52.0	<b>43.1</b>	39.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP439470 **Received** : 08 Jan 2024  
**Lab Number** : 06054333 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10820282 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 1

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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