



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L110H 631123**  
Component  
**Front 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>VCP438538</b>	VCP420269	VCP386758
Sample Date		Client Info		<b>10 Jul 2024</b>	11 Apr 2023	09 Sep 2022
Machine Age	hrs	Client Info		<b>9296</b>	7290	6136
Oil Age	hrs	Client Info		<b>0</b>	3200	500
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		<b>323</b>	204	72
Chromium	ppm	ASTM D5185m		<b>4</b>	3	1
Nickel	ppm	ASTM D5185m		<b>1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>2</b>	2	<1
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m		<b>1</b>	<1	0
Tin	ppm	ASTM D5185m		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<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

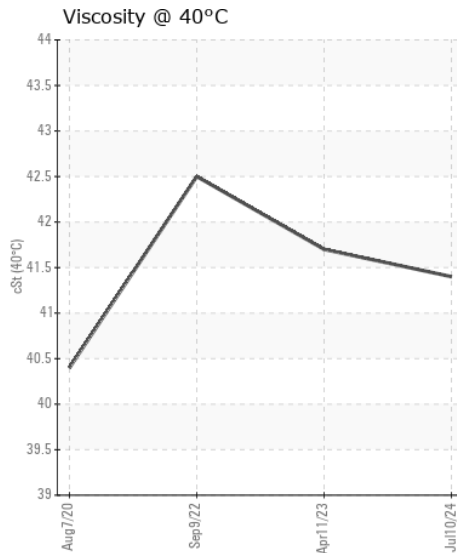
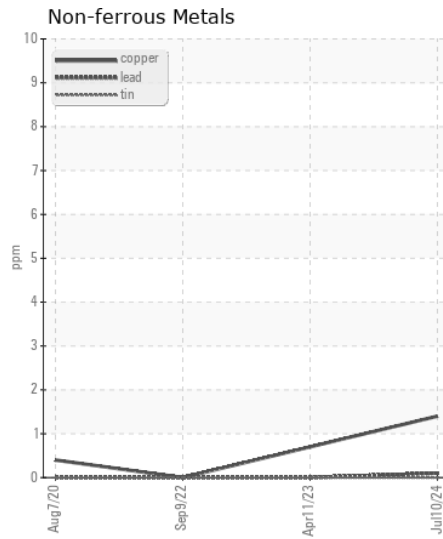
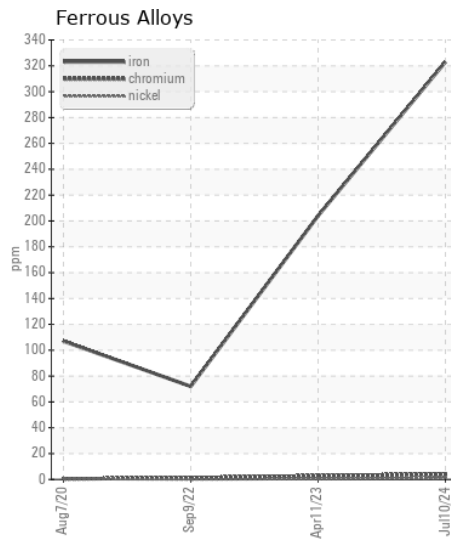
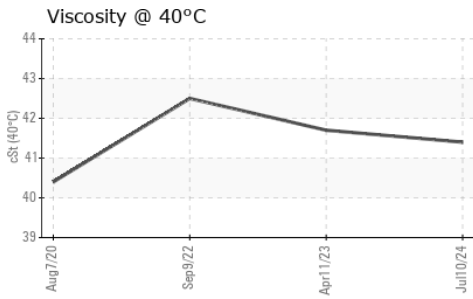
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>17</b>	16	15
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	2
Water		WC Method		<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	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		<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>5</b>	8	6
Boron	ppm	ASTM D5185m		<b>129</b>	143	126
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>11</b>	11	10
Manganese	ppm	ASTM D5185m		<b>4</b>	3	1
Magnesium	ppm	ASTM D5185m		<b>45</b>	47	41
Calcium	ppm	ASTM D5185m		<b>3722</b>	3768	3971
Phosphorus	ppm	ASTM D5185m		<b>1352</b>	1265	1281
Zinc	ppm	ASTM D5185m		<b>1532</b>	1533	1589
Sulfur	ppm	ASTM D5185m		<b>3820</b>	4502	4537
Visc @ 40°C	cSt	ASTM D445		<b>41.4</b>	41.7	42.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP438538  
**Lab Number** : 06236490  
**Unique Number** : 11125324  
**Test Package** : MOB 1

**Received** : 15 Jul 2024  
**Tested** : 16 Jul 2024  
**Diagnosed** : 17 Jul 2024 - Sean Felton

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619

Contact: PM Services  
 PMServices@ripaconstruction.com

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)

T:  
F: