



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L110H 631332**

Component  
**Transmission (Auto)**

Fluid  
**VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP435614</b>	VCP429578	VCP414742
Sample Date		Client Info		<b>17 Apr 2024</b>	13 Dec 2023	06 Sep 2023
Machine Age	hrs	Client Info		<b>10389</b>	9794	9270
Oil Age	hrs	Client Info		<b>0</b>	0	3200
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	N/A	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>46</b>	42	42
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>5</b>	4	2
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>6</b>	6	6
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

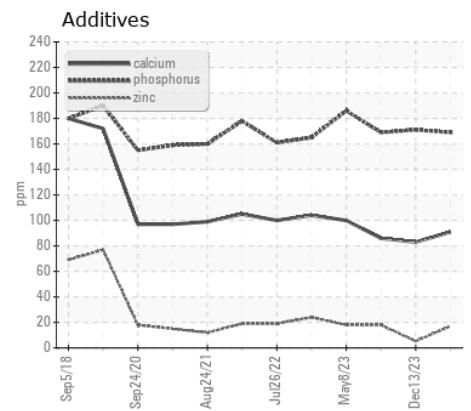
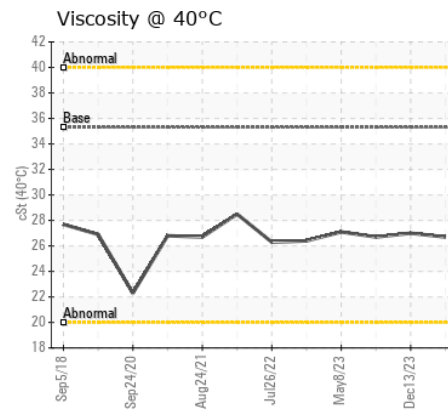
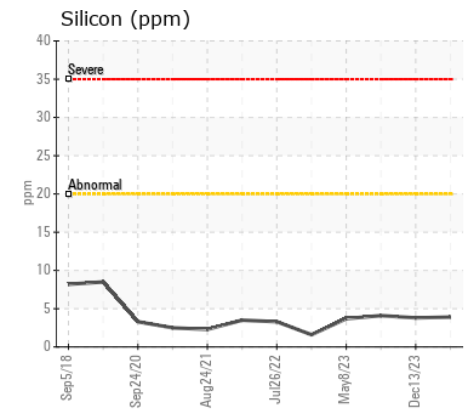
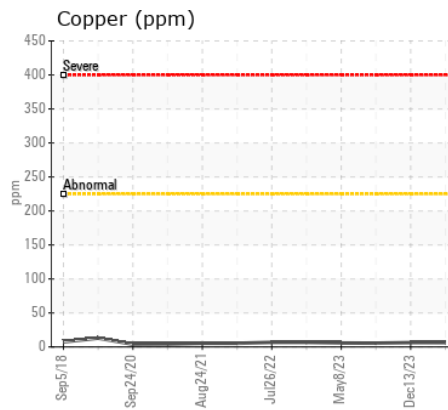
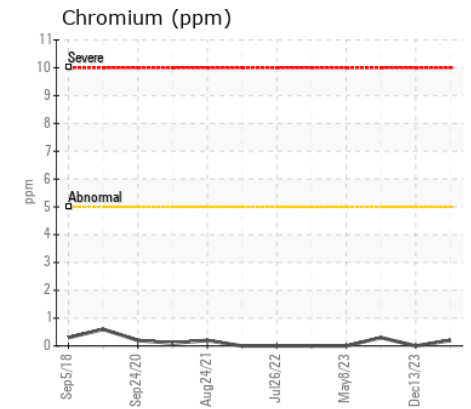
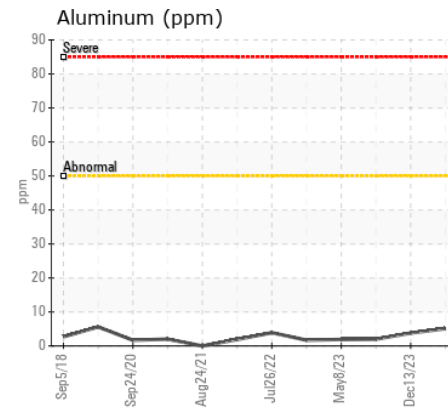
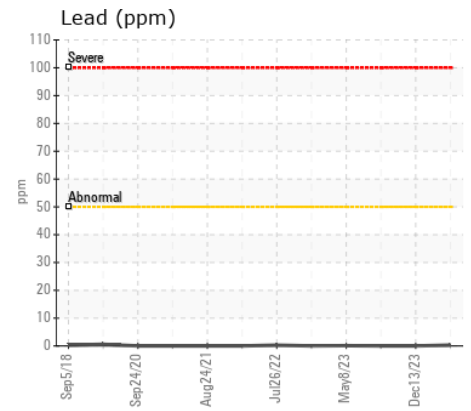
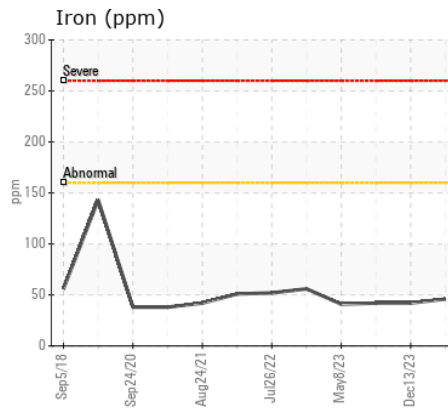
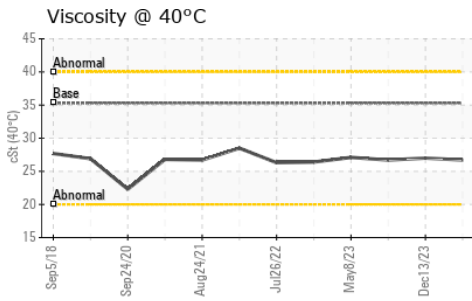
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>5</b>	4	2
Boron	ppm	ASTM D5185m	187	<b>67</b>	63	67
Barium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	2
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	0.0	<b>2</b>	2	2
Magnesium	ppm	ASTM D5185m	6.8	<b>&lt;1</b>	0	2
Calcium	ppm	ASTM D5185m	215	<b>91</b>	83	86
Phosphorus	ppm	ASTM D5185m	445	<b>169</b>	171	169
Zinc	ppm	ASTM D5185m	56	<b>17</b>	5	18
Sulfur	ppm	ASTM D5185m	1336	<b>1891</b>	1735	1978
Visc @ 40°C	cSt	ASTM D445	35.3	<b>26.7</b>	27.0	26.7



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP435614 **Received** : 29 May 2024  
**Lab Number** : 06194501 **Tested** : 31 May 2024  
**Unique Number** : 11056624 **Diagnosed** : 31 May 2024 - Wes Davis  
**Test Package** : MOB 1

**RIPA AND ASSOCIATES**  
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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)