



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L110H 05632247**

Component  
**Transmission (Auto)**

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

### RECOMMENDATION

The fluid change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP443996</b>	VCP436456	VCP443064
Sample Date		Client Info		<b>11 Jun 2024</b>	09 Apr 2024	12 Feb 2024
Machine Age	hrs	Client Info		<b>7473</b>	6919	0
Oil Age	hrs	Client Info		<b>0</b>	508	0
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>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>24</b>	27	19
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>3</b>	2	3
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>8</b>	8	7
Tin	ppm	ASTM D5185m	>10	<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

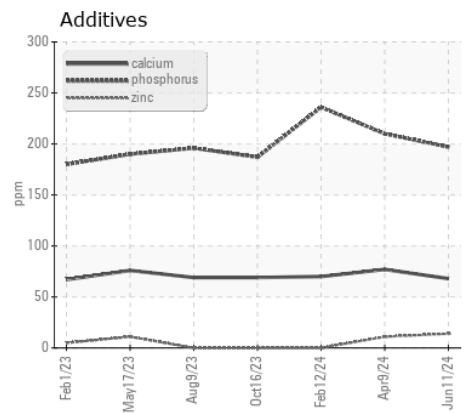
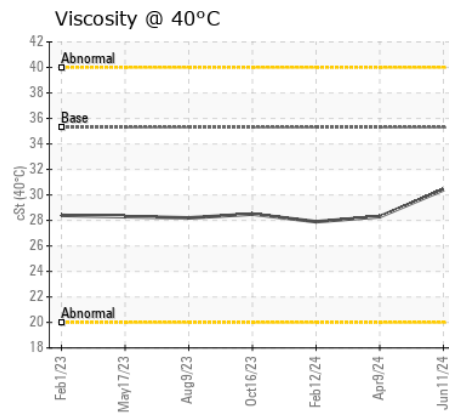
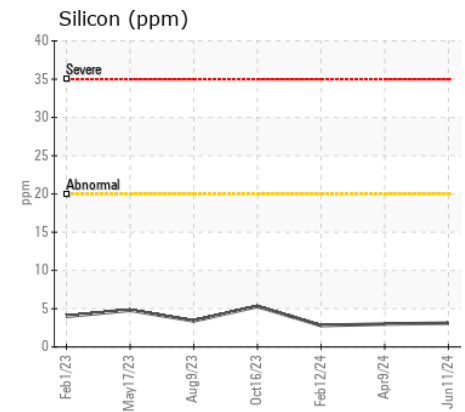
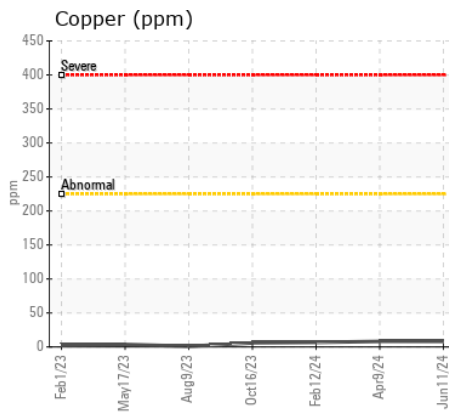
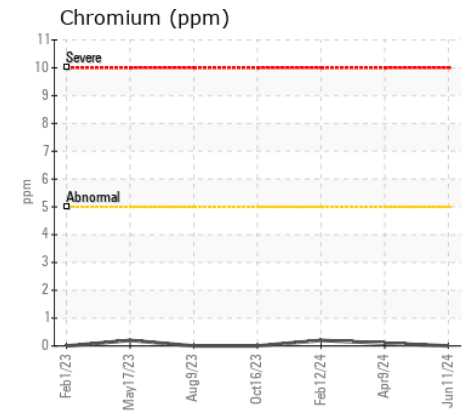
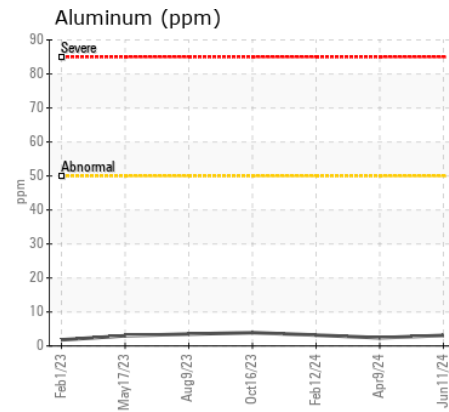
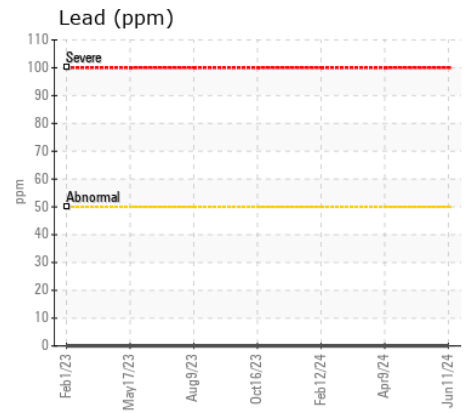
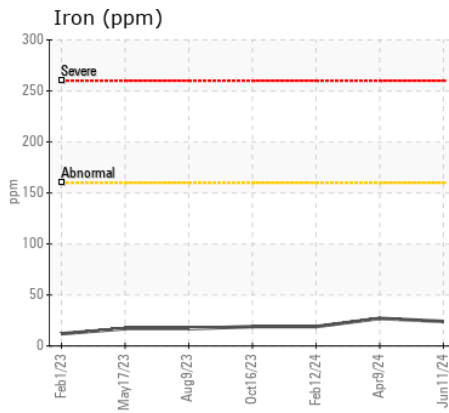
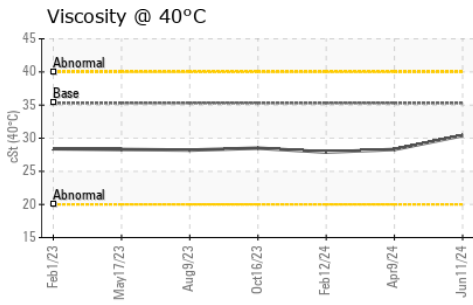
Moderate concentration of visible dirt/debris present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>3</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	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>▲ MODER</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>3</b>	3	<1
Boron	ppm	ASTM D5185m	187	<b>70</b>	93	82
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	<1	10
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	0.0	<b>2</b>	2	<1
Magnesium	ppm	ASTM D5185m	6.8	<b>&lt;1</b>	0	1
Calcium	ppm	ASTM D5185m	215	<b>68</b>	77	70
Phosphorus	ppm	ASTM D5185m	445	<b>197</b>	210	236
Zinc	ppm	ASTM D5185m	56	<b>14</b>	11	0
Sulfur	ppm	ASTM D5185m	1336	<b>2182</b>	2255	2017
Visc @ 40°C	cSt	ASTM D445	35.3	<b>30.4</b>	28.3	27.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP443996 **Received** : 26 Jun 2024  
**Lab Number** : 06221731 **Tested** : 27 Jun 2024  
**Unique Number** : 11099928 **Diagnosed** : 28 Jun 2024 - Don Baldrige  
**Test Package** : MOB 1

**CITY CARTING**  
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 MILFORD, CT  
 US 06460  
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 tavins@citycart.net  
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 F:

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)