



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[SPM688850]**  
 Machine Id  
**VOLVO L150H 7240**  
 Component  
**Transmission (Auto)**  
 Fluid  
**VOLVO AT 102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP422994</b>	VCP429145	VCP415211
Sample Date		Client Info		<b>03 Apr 2024</b>	03 Feb 2024	25 Sep 2023
Machine Age	hrs	Client Info		<b>2120</b>	1622	582
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>37</b>	40	37
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>5	<b>&lt;1</b>	4	0
Lead	ppm	ASTM D5185m	>75	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>75	<b>26</b>	7	4
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

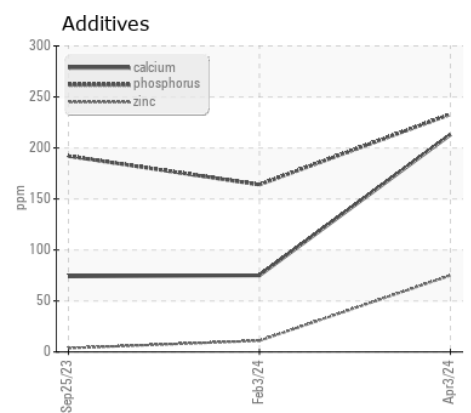
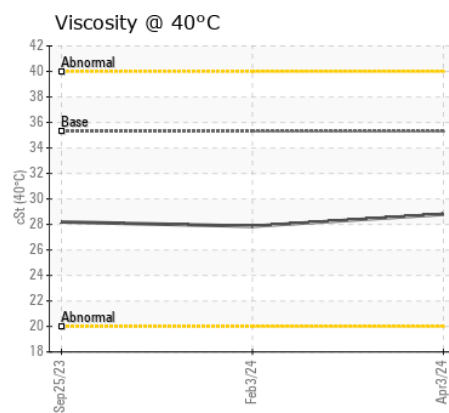
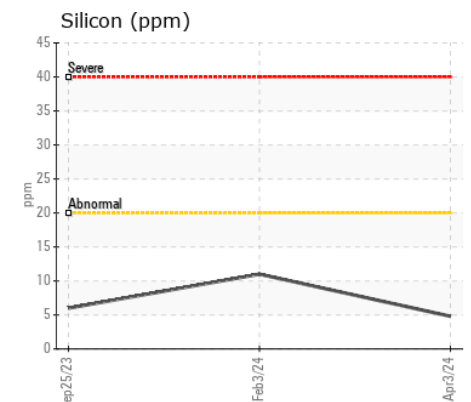
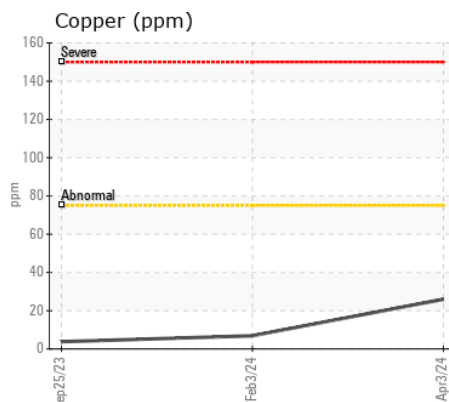
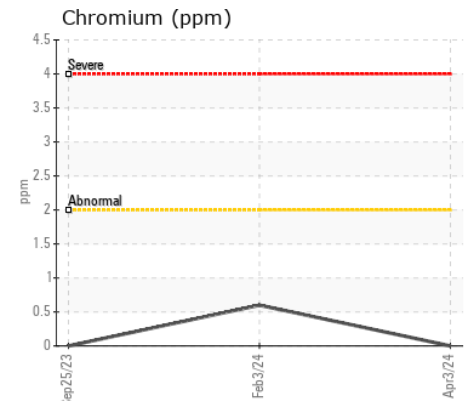
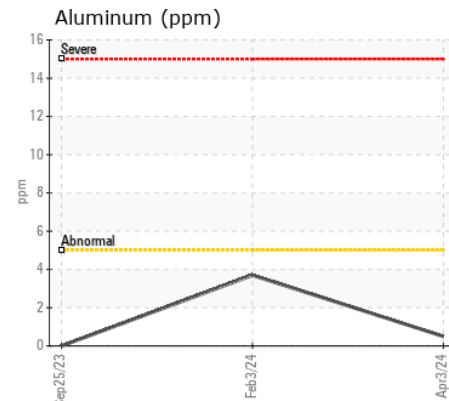
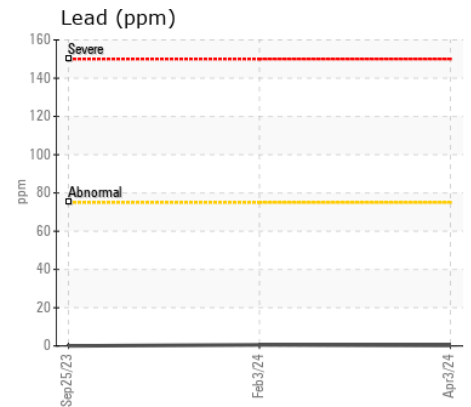
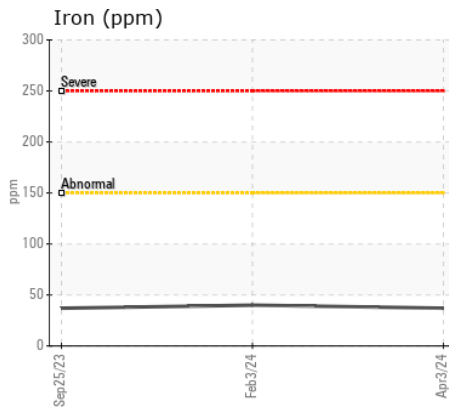
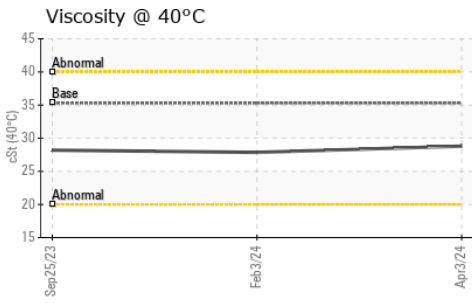
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	11	6
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	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>3</b>	0	3
Boron	ppm	ASTM D5185m	187	<b>73</b>	84	88
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m	0.0	<b>2</b>	1	0
Manganese	ppm	ASTM D5185m	0.0	<b>2</b>	4	3
Magnesium	ppm	ASTM D5185m	6.8	<b>19</b>	2	2
Calcium	ppm	ASTM D5185m	215	<b>213</b>	75	74
Phosphorus	ppm	ASTM D5185m	445	<b>233</b>	164	192
Zinc	ppm	ASTM D5185m	56	<b>75</b>	11	4
Sulfur	ppm	ASTM D5185m	1336	<b>2445</b>	1904	1847
Visc @ 40°C	cSt	ASTM D445	35.3	<b>28.8</b>	27.86	28.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP422994

Lab Number : 06160830

Unique Number : 10996253

Test Package : MOB 1

Received : 25 Apr 2024

Tested : 26 Apr 2024

Diagnosed : 26 Apr 2024 - Wes Davis

**SIMS METAL MANAGEMENT**

2500 S. PAULINA

CHICAGO, IL

US 60608

Contact: RYAN WISE

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T:

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)