



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[659872]**  
Machine Id  
**VOLVO L150H 6945**  
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>VCP437453</b>	VCP432765	VCP408200
Sample Date		Client Info		<b>15 Jan 2024</b>	05 Sep 2023	30 Mar 2023
Machine Age	hrs	Client Info		<b>7995</b>	6908	5534
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>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>216</b>	291	▲ 615
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	4
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>120	<b>7</b>	24	21
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	▲ HEAVY
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

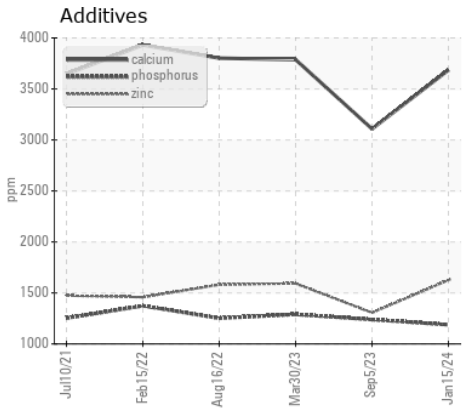
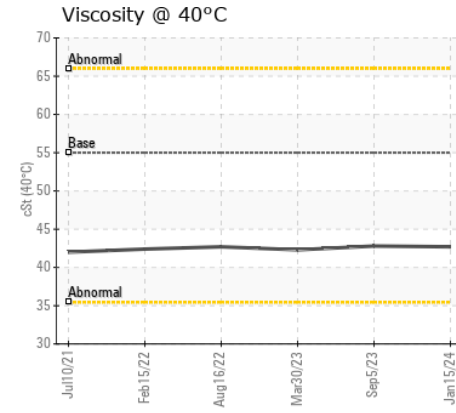
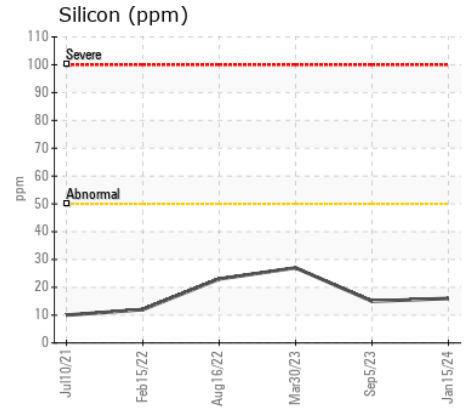
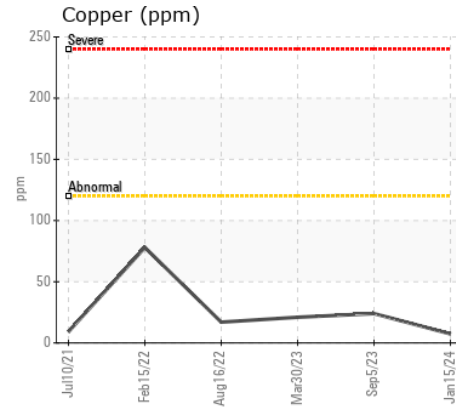
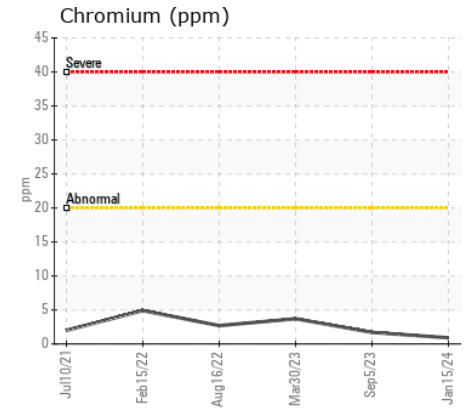
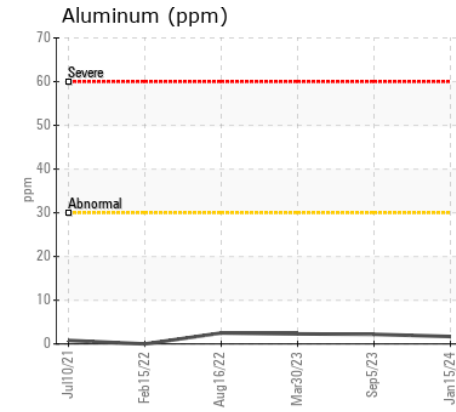
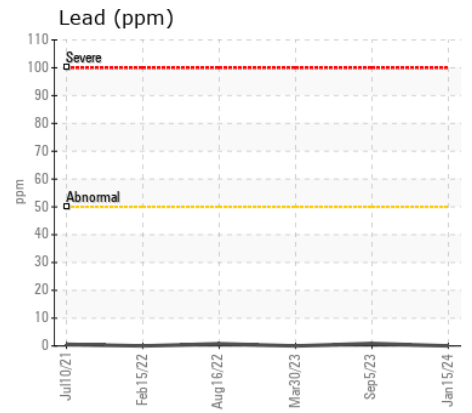
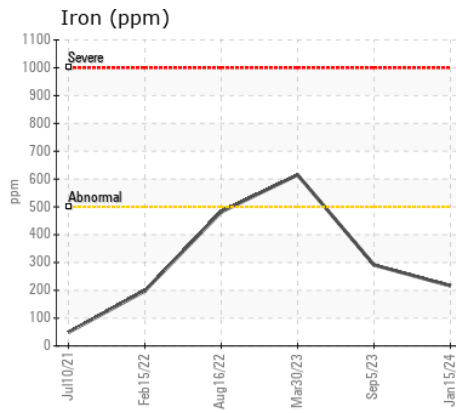
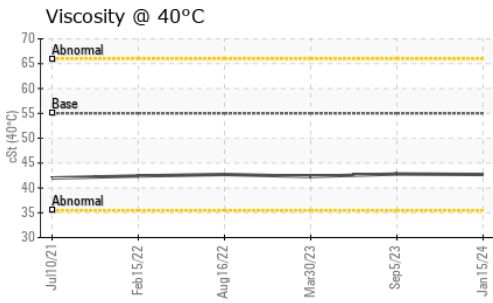
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>16</b>	15	27
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	5	6
Boron	ppm	ASTM D5185m		<b>139</b>	85	122
Barium	ppm	ASTM D5185m		<b>3</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>3</b>	1	2
Manganese	ppm	ASTM D5185m		<b>2</b>	4	7
Magnesium	ppm	ASTM D5185m		<b>30</b>	18	27
Calcium	ppm	ASTM D5185m		<b>3685</b>	3108	3787
Phosphorus	ppm	ASTM D5185m		<b>1188</b>	1239	1290
Zinc	ppm	ASTM D5185m		<b>1626</b>	1306	1593
Sulfur	ppm	ASTM D5185m		<b>3965</b>	4529	4742
Visc @ 40°C	cSt	ASTM D445	55	<b>42.7</b>	42.8	42.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP437453 **Received** : 18 Jan 2024  
**Lab Number** : 06064598 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10835980 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

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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)