



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[SWA560078-10]**  
 Machine Id  
**VOLVO L180H 5412**  
 Component  
**Rear 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>VCP430308</b>	VCP442817	VCP396103
Sample Date		Client Info		<b>16 May 2024</b>	07 Feb 2024	01 Feb 2023
Machine Age	hrs	Client Info		<b>9182</b>	7046	6657
Oil Age	hrs	Client Info		<b>1000</b>	0	6657
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>58</b>	97	187
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	2	5
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>1</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	1
Copper	ppm	ASTM D5185m	>120	<b>5</b>	2	5
Tin	ppm	ASTM D5185m	>20	<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	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

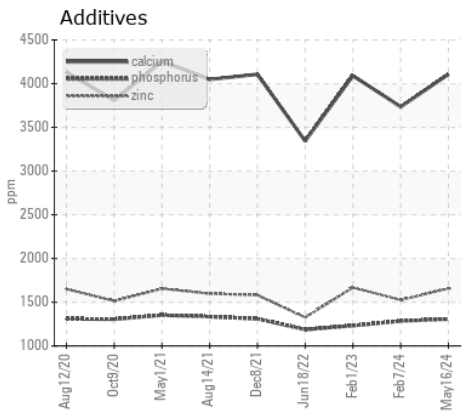
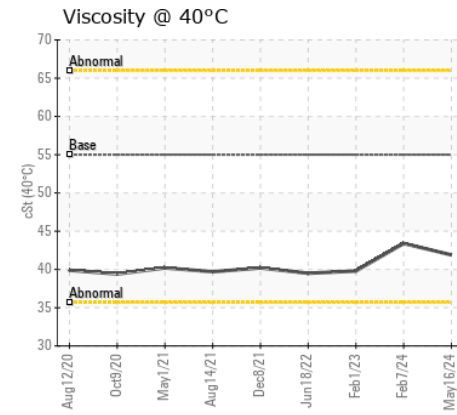
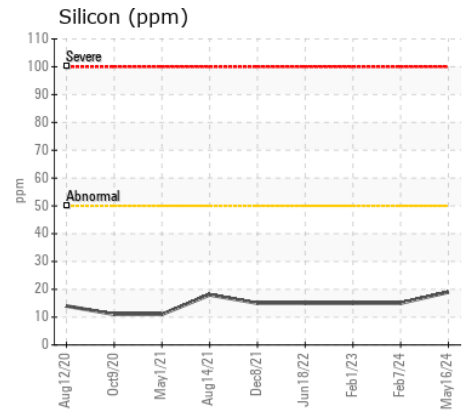
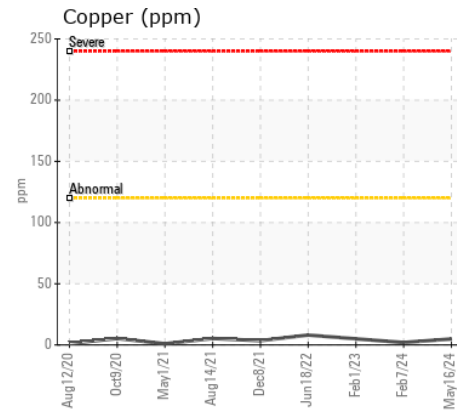
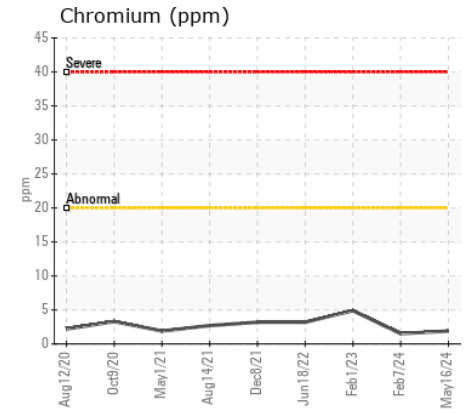
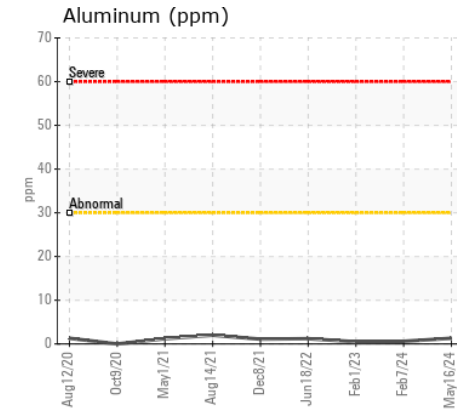
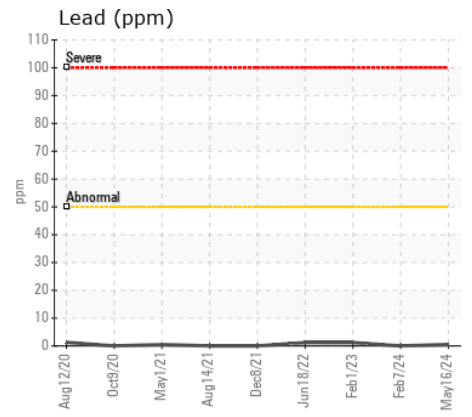
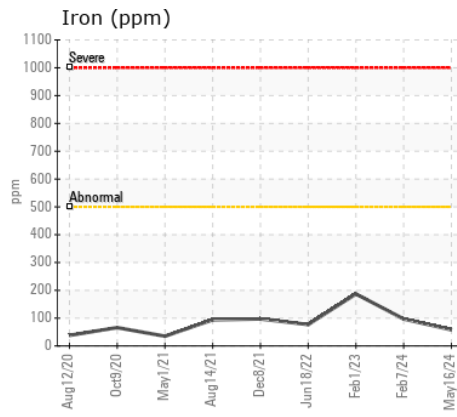
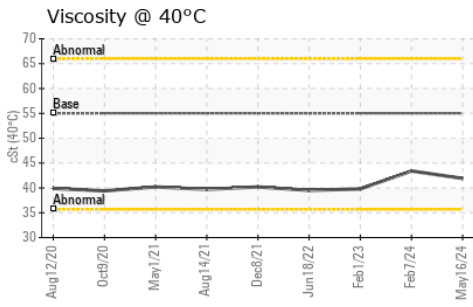
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>19</b>	15	15
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	<1
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>	3	9
Boron	ppm	ASTM D5185m		<b>140</b>	136	139
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	0	2
Manganese	ppm	ASTM D5185m		<b>2</b>	2	6
Magnesium	ppm	ASTM D5185m		<b>16</b>	16	20
Calcium	ppm	ASTM D5185m		<b>4106</b>	3735	4091
Phosphorus	ppm	ASTM D5185m		<b>1307</b>	1285	1232
Zinc	ppm	ASTM D5185m		<b>1656</b>	1525	1668
Sulfur	ppm	ASTM D5185m		<b>4537</b>	3547	4251
Visc @ 40°C	cSt	ASTM D445	55	<b>41.9</b>	43.4	39.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP430308  
**Lab Number** : 06191326  
**Unique Number** : 11048078  
**Test Package** : MOB 1

**Received** : 24 May 2024  
**Tested** : 29 May 2024  
**Diagnosed** : 29 May 2024 - Wes Davis

**CALLANAN**  
 RT 32 677 FLATBUSH RD  
 EAST KINGSTON, NY  
 US 12401  
 Contact:

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: