



# VOLVO

## OIL ANALYSIS REPORT

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



Area

**[701286 PRIMORIS]**

Machine Id

**VOLVO A40G 352491**

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>VCP438832</b>	VCP414732	VCP393594
Sample Date		Client Info		<b>18 Apr 2024</b>	22 Sep 2023	25 Apr 2023
Machine Age	hrs	Client Info		<b>5157</b>	4299	3617
Oil Age	hrs	Client Info		<b>1000</b>	2000	1000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>26</b>	22	28
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	4	6
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>6</b>	6	12
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>225	<b>13</b>	25	40
Tin	ppm	ASTM D5185m	>10	<b>2</b>	3	4
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

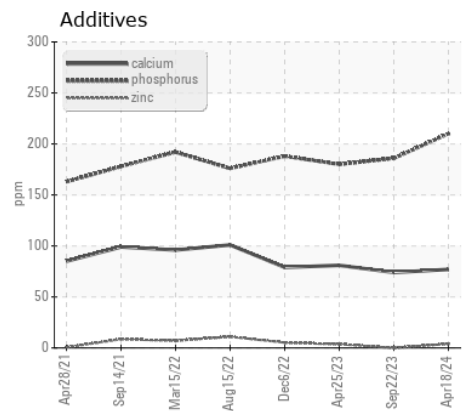
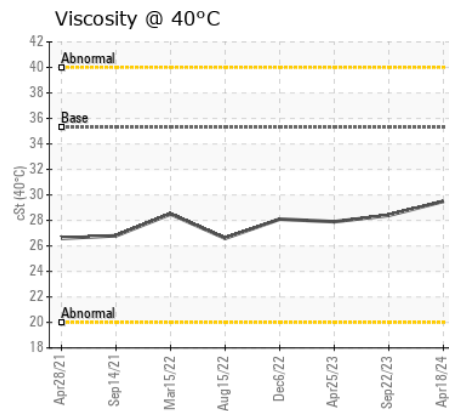
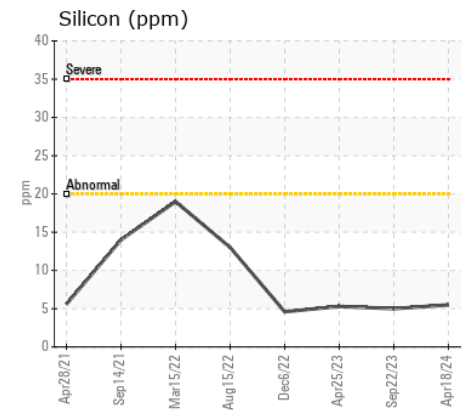
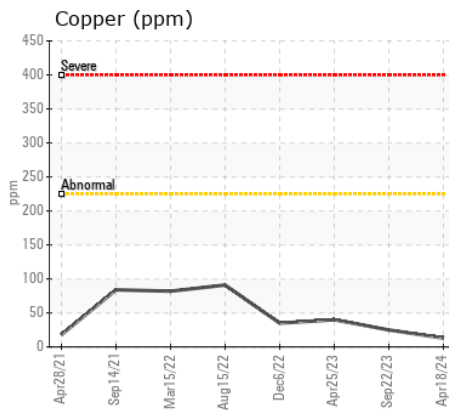
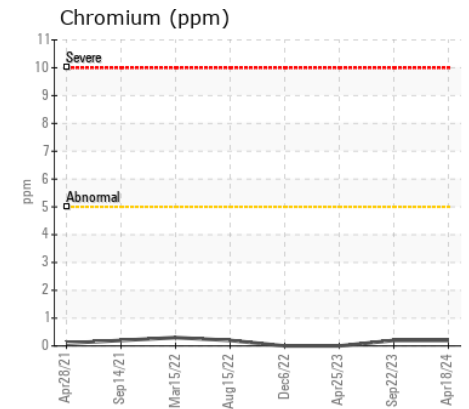
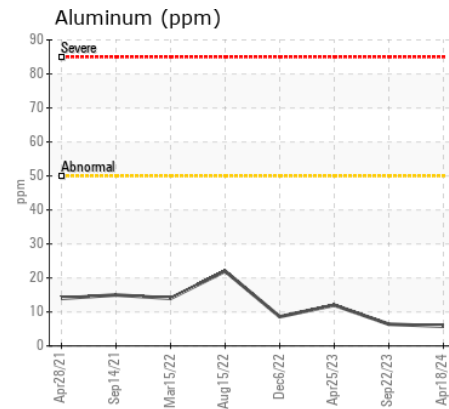
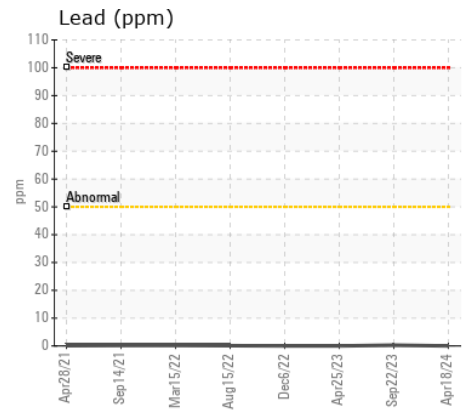
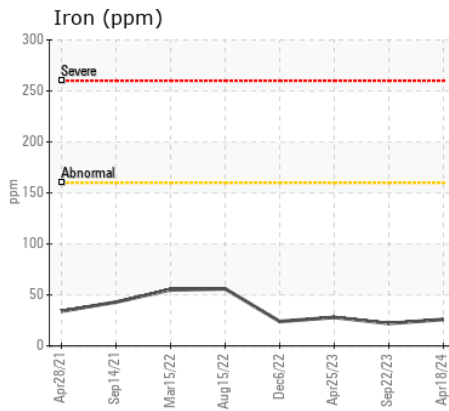
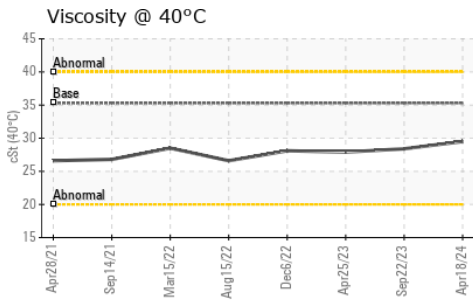
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>6</b>	5	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	3
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 suitable for further service.

Sodium	ppm	ASTM D5185m		<b>3</b>	0	<1
Boron	ppm	ASTM D5185m	187	<b>106</b>	92	80
Barium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<b>2</b>	<1	<1
Manganese	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m	6.8	<b>2</b>	1	2
Calcium	ppm	ASTM D5185m	215	<b>77</b>	74	81
Phosphorus	ppm	ASTM D5185m	445	<b>210</b>	186	180
Zinc	ppm	ASTM D5185m	56	<b>4</b>	0	4
Sulfur	ppm	ASTM D5185m	1336	<b>2388</b>	2011	2099
Visc @ 40°C	cSt	ASTM D445	35.3	<b>29.5</b>	28.4	27.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP438832 **Received** : 24 May 2024  
**Lab Number** : 06190846 **Tested** : 29 May 2024  
**Unique Number** : 11047598 **Diagnosed** : 29 May 2024 - Sean Felton  
**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)