



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A45G 79 (S/N 342558)**  
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		VCP06152694	VCP405327	VCP396277
Sample Date		Client Info		02 Apr 2024	01 Oct 2023	04 Feb 2023
Machine Age	hrs	Client Info		0	12523	10737
Oil Age	hrs	Client Info		0	500	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	58	34	20
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	20	11	6
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>225	17	11	8
Tin	ppm	ASTM D5185m	>10	2	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

### CONTAMINATION

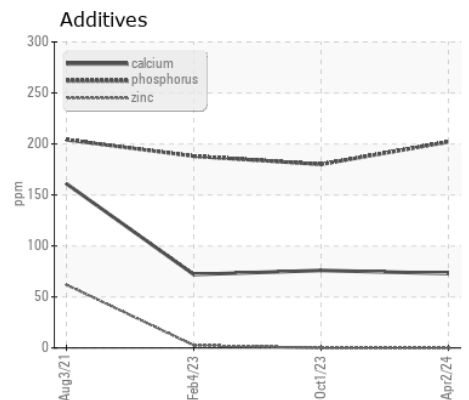
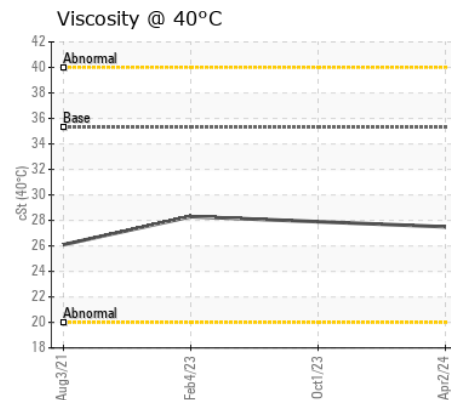
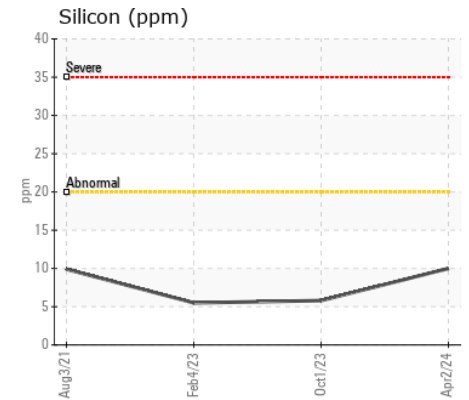
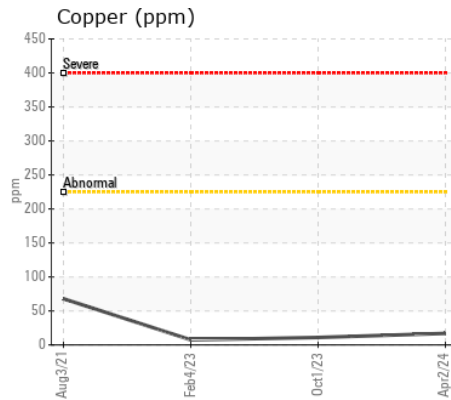
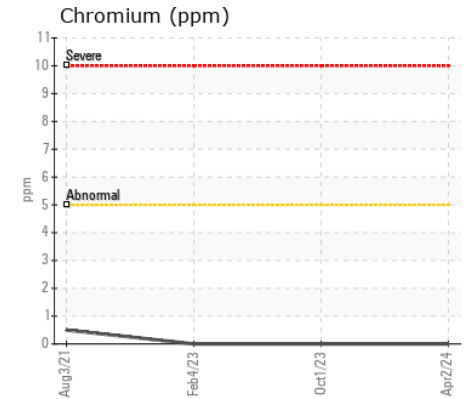
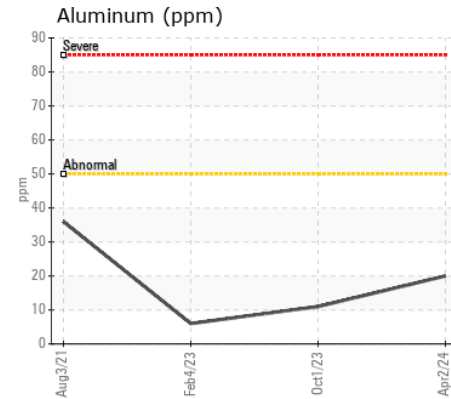
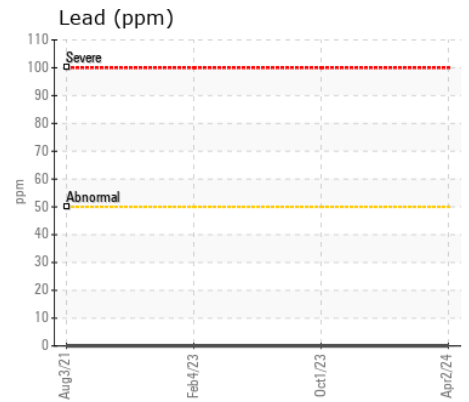
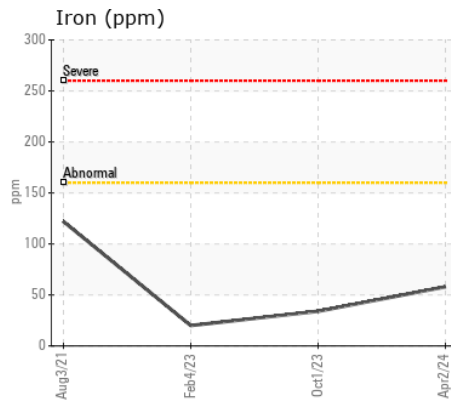
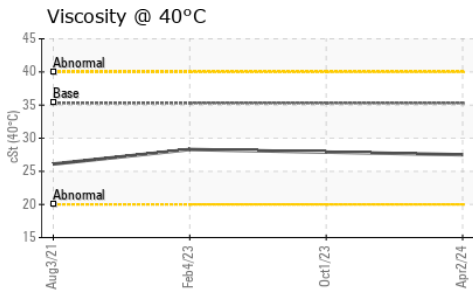
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	10	6	6
Potassium	ppm	ASTM D5185m	>20	4	2	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	2	3
Boron	ppm	ASTM D5185m	187	89	88	91
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	0	0	<1
Manganese	ppm	ASTM D5185m	0.0	2	<1	<1
Magnesium	ppm	ASTM D5185m	6.8	0	0	2
Calcium	ppm	ASTM D5185m	215	73	76	72
Phosphorus	ppm	ASTM D5185m	445	202	180	188
Zinc	ppm	ASTM D5185m	56	0	0	3
Sulfur	ppm	ASTM D5185m	1336	2266	1867	1907
Visc @ 40°C	cSt	ASTM D445	35.3	27.5	27.9	28.3



Certificate L2367

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

**Sample No.** : VCP06152694

**Lab Number** : 06152694

**Unique Number** : 10982772

**Test Package** : MOB 1

**Received** : 17 Apr 2024

**Tested** : 18 Apr 2024

**Diagnosed** : 22 Apr 2024 - Sean Felton

**J.M. HUBER**

10322 HWY 53 E

MARBLE HILL, GA

US 30148

Contact: GEORGE GIBSON

george.gibson@huber.com

T: (770)893-7602

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)