



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A40G 340668**  
Component  
**Wet Disc Brake**  
Fluid  
**MOBIL MOBILGARD 424 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP447702</b>	VCP416759	VCP312538
Sample Date		Client Info		<b>09 Jul 2024</b>	08 Feb 2024	24 Oct 2023
Machine Age	hrs	Client Info		<b>17948</b>	17181	16708
Oil Age	hrs	Client Info		<b>1835</b>	1068	595
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not 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	>20	<b>18</b>	15	14
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>4</b>	2	<1
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	<1
Copper	ppm	ASTM D5185m	>75	<b>63</b>	45	47
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

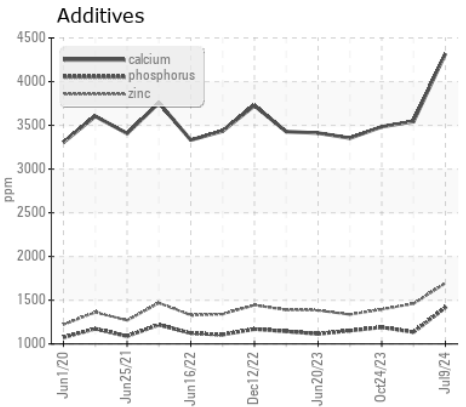
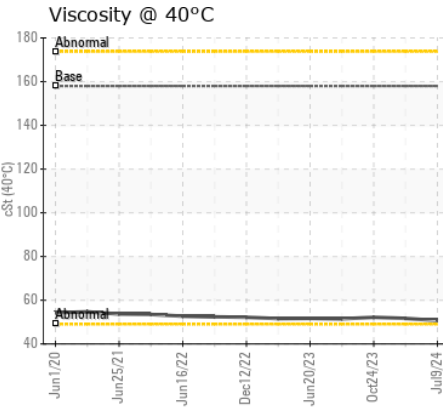
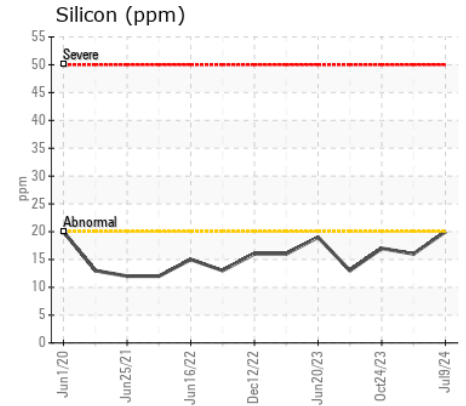
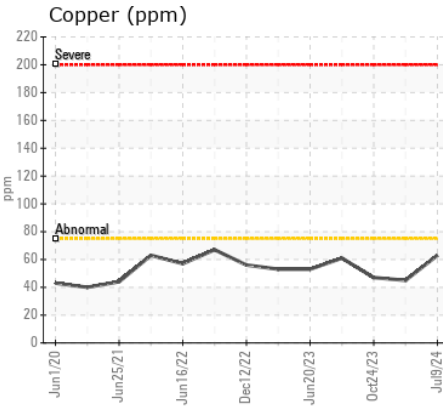
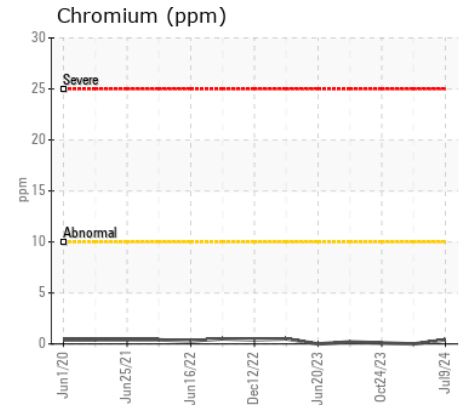
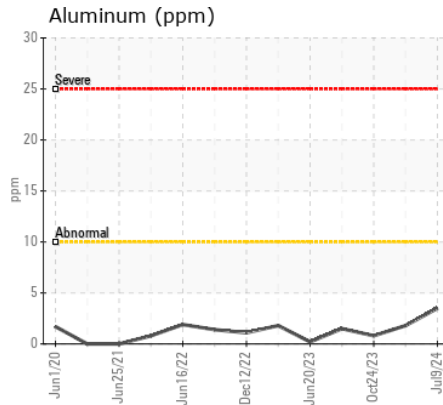
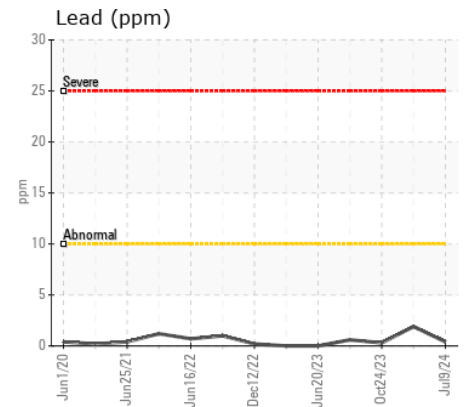
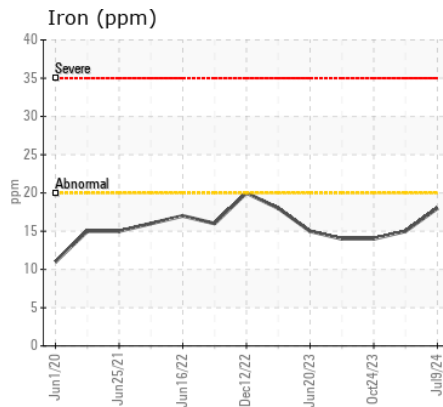
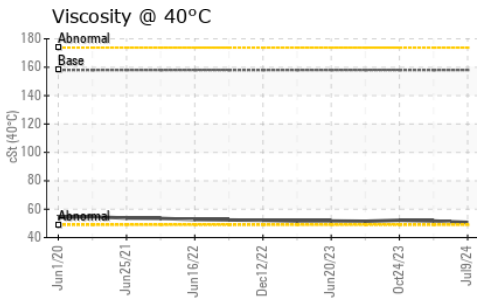
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>20</b>	16	17
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	2
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>	LIGHT	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>3</b>	6	0
Boron	ppm	ASTM D5185m		<b>145</b>	108	111
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>22</b>	21	18
Calcium	ppm	ASTM D5185m		<b>4320</b>	3544	3484
Phosphorus	ppm	ASTM D5185m		<b>1418</b>	1135	1191
Zinc	ppm	ASTM D5185m		<b>1696</b>	1461	1395
Sulfur	ppm	ASTM D5185m		<b>7246</b>	5697	6189
Visc @ 40°C	cSt	ASTM D445	158	<b>50.7</b>	51.7	52.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP447702  
**Lab Number** : 06240642  
**Unique Number** : 11129476  
**Test Package** : MOB 1

**Received** : 18 Jul 2024  
**Tested** : 19 Jul 2024  
**Diagnosed** : 20 Jul 2024 - Don Baldrige

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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)