



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A40G 352026**  
Component  
**Bogie/Center Axle**  
Fluid  
**MOBIL MOBILUBE HD PLUS 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP436352</b>	VCP395618	VCP405243
Sample Date		Client Info		<b>08 Feb 2024</b>	30 Oct 2023	29 Aug 2023
Machine Age	hrs	Client Info		<b>9959</b>	9458	9029
Oil Age	hrs	Client Info		<b>501</b>	929	500
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>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>122</b>	688	148
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	10	2
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	1	0
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>150	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

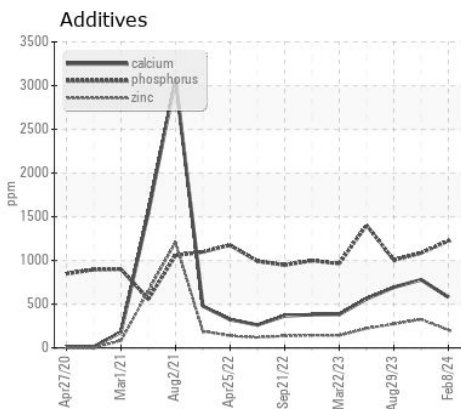
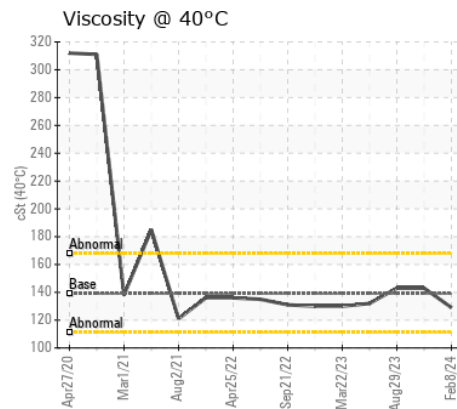
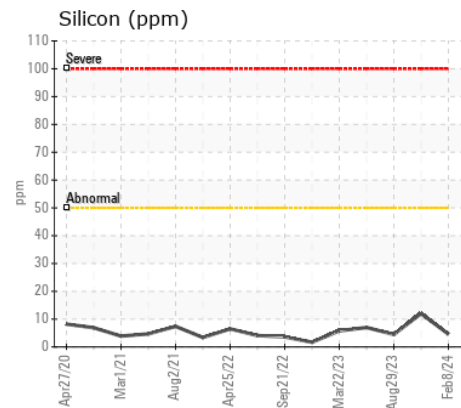
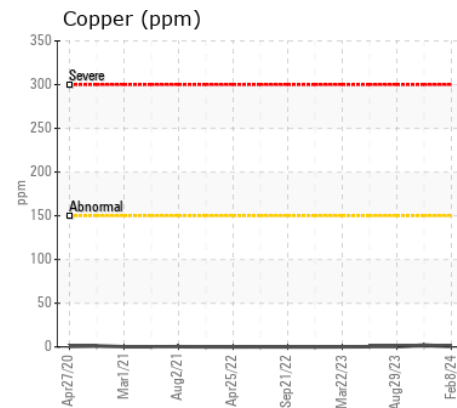
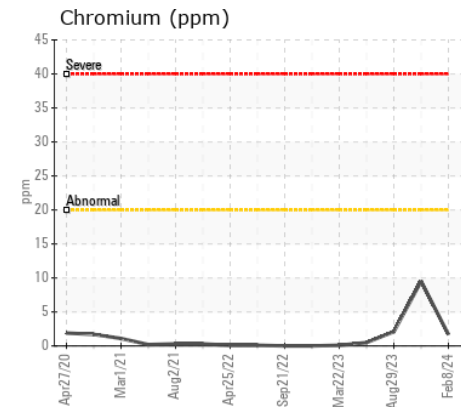
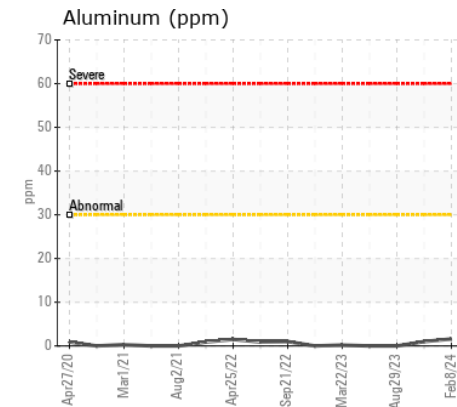
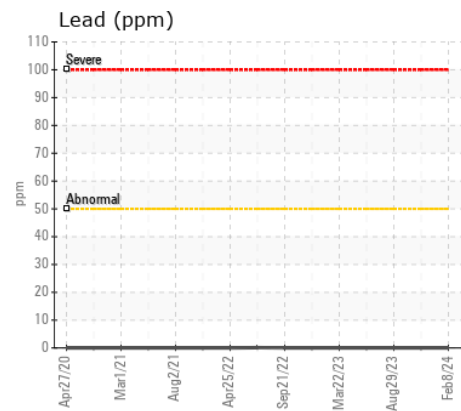
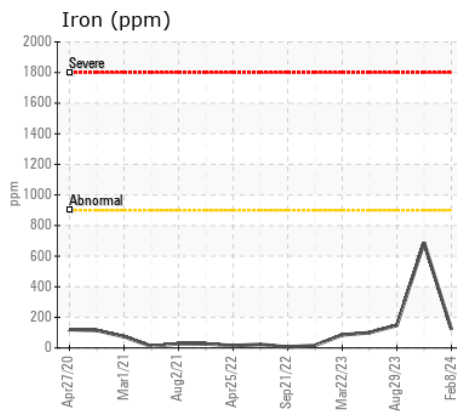
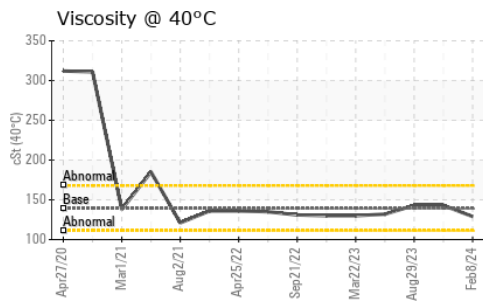
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>5</b>	12	4
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	5	2
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>	1	<1
Boron	ppm	ASTM D5185m		<b>190</b>	158	168
Barium	ppm	ASTM D5185m		<b>12</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>5</b>	16	7
Manganese	ppm	ASTM D5185m		<b>3</b>	17	6
Magnesium	ppm	ASTM D5185m		<b>23</b>	18	19
Calcium	ppm	ASTM D5185m		<b>581</b>	780	694
Phosphorus	ppm	ASTM D5185m		<b>1223</b>	1086	1006
Zinc	ppm	ASTM D5185m		<b>206</b>	326	274
Sulfur	ppm	ASTM D5185m		<b>31469</b>	25552	26914
Visc @ 40°C	cSt	ASTM D445	139	<b>129</b>	143	143



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP436352  
**Lab Number** : 06089145  
**Unique Number** : 10876590  
**Test Package** : MOB 1  
**Received** : 14 Feb 2024  
**Tested** : 15 Feb 2024  
**Diagnosed** : 15 Feb 2024 - Wes Davis

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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)