



# 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  
**Bogie/Center Axle**  
Fluid  
**VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP444190</b>	VCP426342	VCP420216
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>	3299	3000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Sample Status				<b>NORMAL</b>	ATTENTION	ATTENTION

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>107</b>	513	338
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	7	3
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>&lt;1</b>	2	0
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>150	<b>&lt;1</b>	6	6
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
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

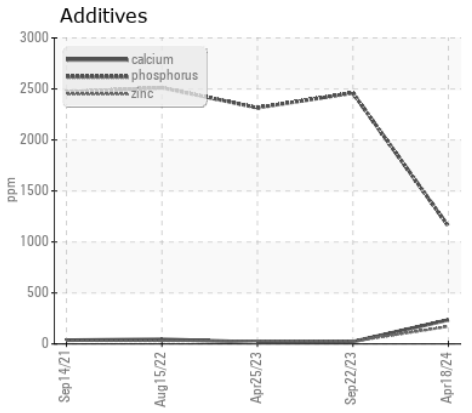
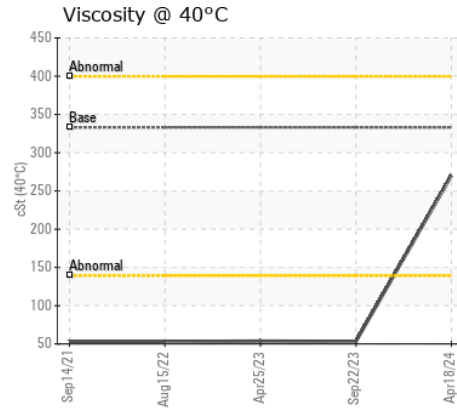
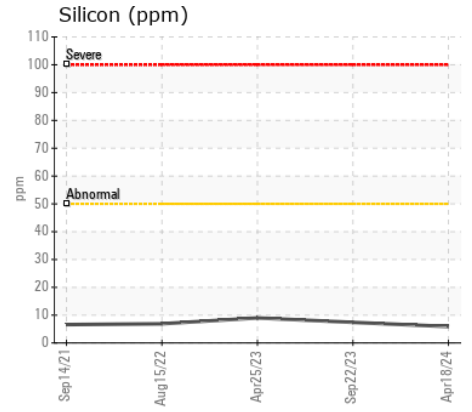
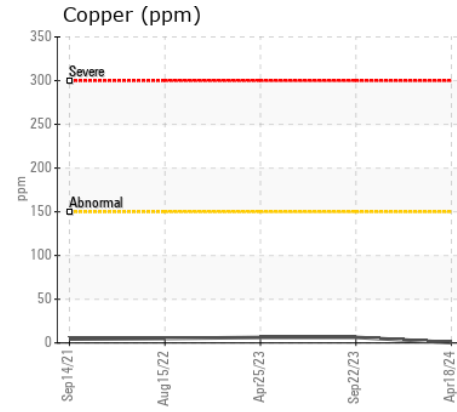
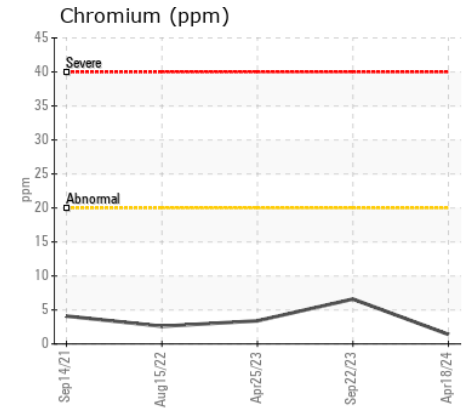
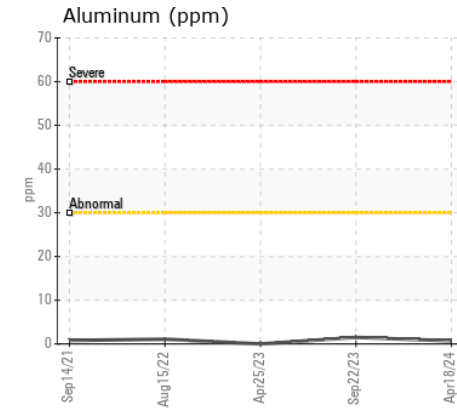
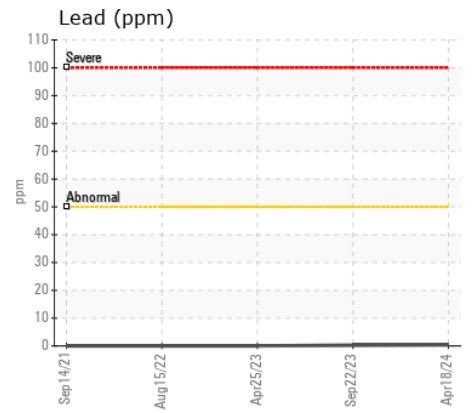
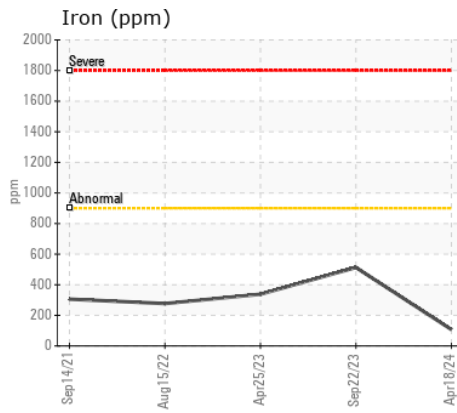
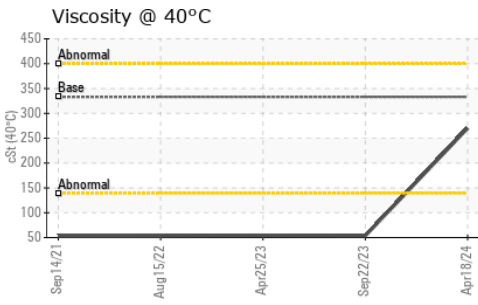
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>6</b>	7	9
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	4
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>&lt;1</b>	0	0
Boron	ppm	ASTM D5185m	111	<b>207</b>	109	132
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	9	0
Molybdenum	ppm	ASTM D5185m	0.9	<b>7</b>	6	6
Manganese	ppm	ASTM D5185m	0.0	<b>6</b>	18	14
Magnesium	ppm	ASTM D5185m	39	<b>68</b>	3	2
Calcium	ppm	ASTM D5185m	93	<b>236</b>	22	18
Phosphorus	ppm	ASTM D5185m	920	<b>1153</b>	2460	2315
Zinc	ppm	ASTM D5185m	104	<b>171</b>	24	31
Sulfur	ppm	ASTM D5185m	20179	<b>27974</b>	34224	31665
Visc @ 40°C	cSt	ASTM D445	333	<b>270</b>	53.3	53.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP444190  
**Lab Number** : 06190773  
**Unique Number** : 11047525  
**Test Package** : MOB 1

**Received** : 24 May 2024  
**Tested** : 28 May 2024  
**Diagnosed** : 28 May 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)