



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area  
**[SW1028121 ODDONETTO]**  
 Machine Id  
**VOLVO A40G 340471**  
 Component  
**Rear Axle**  
 Fluid  
**GEAR OIL SAE 75W80 (--- GAL)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP412552	VCP316477	---
Sample Date		Client Info		29 Dec 2023	15 Jul 2021	---
Machine Age	hrs	Client Info		8301	7149	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	ATTENTION	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	66	40	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	2	<1	---
Lead	ppm	ASTM D5185m	>50	<1	0	---
Copper	ppm	ASTM D5185m	>150	1	<1	---
Tin	ppm	ASTM D5185m	>20	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

### CONTAMINATION

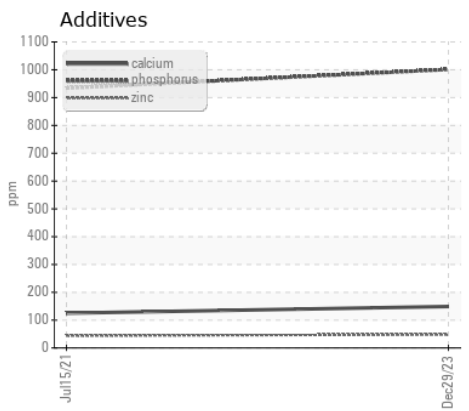
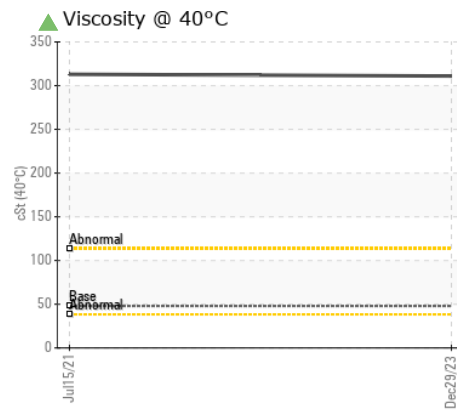
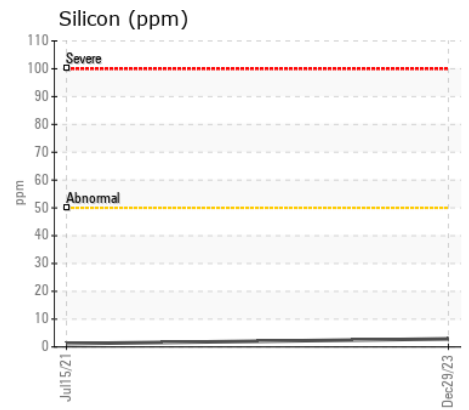
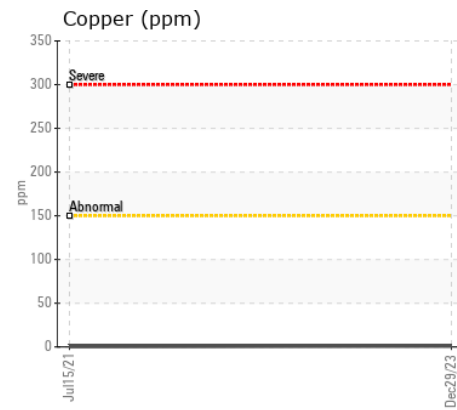
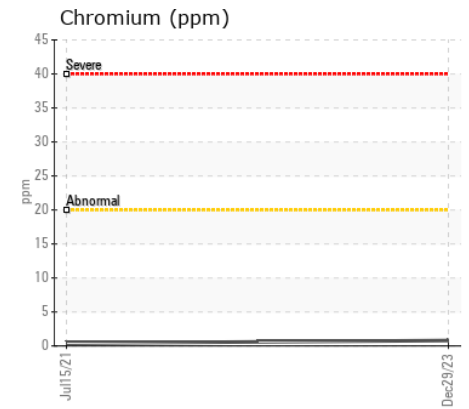
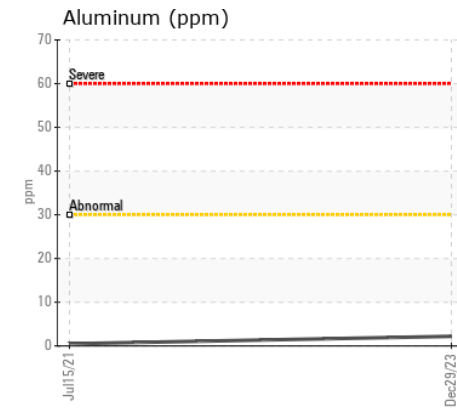
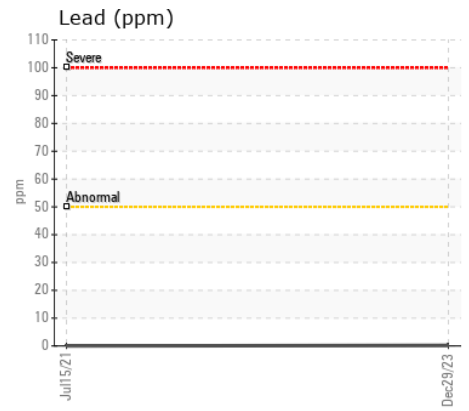
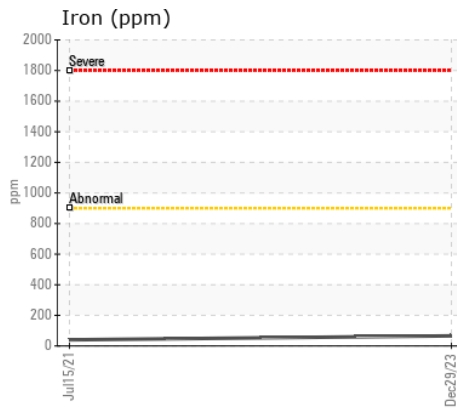
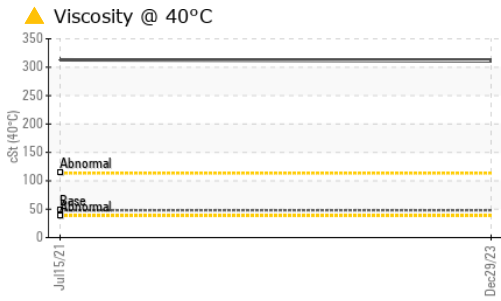
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	3	1	---
Potassium	ppm	ASTM D5185m	>20	1	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

### FLUID CONDITION

The oil viscosity is higher than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		0	<1	---
Boron	ppm	ASTM D5185m	400	198	224	---
Barium	ppm	ASTM D5185m	200	7	0	---
Molybdenum	ppm	ASTM D5185m	12	2	2	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m	12	18	16	---
Calcium	ppm	ASTM D5185m	150	149	125	---
Phosphorus	ppm	ASTM D5185m	1650	1001	934	---
Zinc	ppm	ASTM D5185m	125	48	44	---
Sulfur	ppm	ASTM D5185m	22500	32135	23416	---
Visc @ 40°C	cSt	ASTM D445	48	▲ 311	▲ 313	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP412552 **Received** : 08 Jan 2024  
**Lab Number** : 06054372 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10820321 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 1

**ARNOLD MACHINERY COMPANY**  
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 PHOENIX, AZ  
 US 85040  
 Contact: RANDY PRZEKURAT  
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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)

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