



# CONSTRUCTION EQUIPMENT

SW1028121 ODDONETTO VOLVO A40G 340471 - REAR AXLE



**Sample No:** VCP412552  
**Oil Type:** GEAR OIL SAE 75W80  
**Job No:** SW1028121 ODDONETTO



## SAMPLE INFORMATION

Sample Number	VCP412552	VCP316477	---	---
Sample Date	29 Dec 2023	15 Jul 2021	---	---
Machine Hours	8301	7149	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

**ARNOLD MACHINERY COMPANY**  
 4323 EAST WINSLOW AVENUE  
 PHOENIX, AZ  
 US 85040  
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## OIL CONDITION

Visc @ 40°C	cSt	▲ 311	▲ 313	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 3	■ 1	---	---
Sodium	ppm	■ 0	■ <1	---	---
Potassium	ppm	■ 1	■ 0	---	---



## WEAR METALS

Iron	ppm	■ 66	■ 40	---	---
Copper	ppm	■ 1	■ <1	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	■ 2	■ <1	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 2	■ 2	---	---
Nickel	ppm	■ <1	■ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 2	■ <1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	■ 149	■ 125	---	---
Magnesium	ppm	■ 18	■ 16	---	---
Zinc	ppm	■ 48	■ 44	---	---
Phosphorus	ppm	■ 1001	■ 934	---	---
Barium	ppm	■ 7	■ 0	---	---
Boron	ppm	■ 198	■ 224	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type.

**Depot:** VOLVO6174  
**Unique No:** 10820321  
**Signed:** Jonathan Hester  
**Report Date:** 10 Jan 2024



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## GRAPHS

