



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 353407 - REAR AXLE



**Sample No:** VCP416821  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416821</b>	VCP341894	VCP312571	---
Sample Date	<b>25 Feb 2024</b>	14 Dec 2023	03 Oct 2023	---
Machine Hours	<b>1268</b>	997	504	---
Oil Hours	<b>871</b>	600	504	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>ATTENTION</b>	ATTENTION	ABNORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 52.4</b>	▲ 52.3	▲ 52.4	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>█ 15</b>	█ 1	█ 3	---
Sodium	ppm	<b>█ 3</b>	█ <1	█ 0	---
Potassium	ppm	<b>█ 7</b>	█ 5	█ 6	---

### 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 lower than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	<b>█ 275</b>	█ 87	█ 166	---
Copper	ppm	<b>█ 2</b>	█ 0	█ 2	---
Lead	ppm	<b>█ &lt;1</b>	█ 0	█ 0	---
Tin	ppm	<b>█ &lt;1</b>	█ 0	█ 0	---
Aluminum	ppm	<b>█ 2</b>	█ 0	█ 1	---
Chromium	ppm	<b>█ 4</b>	█ <1	█ 2	---
Molybdenum	ppm	<b>█ 5</b>	█ 0	█ 4	---
Nickel	ppm	<b>█ 1</b>	█ 0	█ <1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>█ 12</b>	█ 6	█ 9	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>█ 18</b>	█ 16	█ 14	---
Magnesium	ppm	<b>█ 2</b>	█ <1	█ <1	---
Zinc	ppm	<b>█ 4</b>	█ 10	█ 0	---
Phosphorus	ppm	<b>█ 2262</b>	█ 2308	█ 2284	---
Barium	ppm	<b>█ 0</b>	█ 0	█ 0	---
Boron	ppm	<b>█ 264</b>	█ 262	█ 303	---

**Depot:** SCHGRE  
**Unique No:** 10898627  
**Signed:** Jonathan Hester  
**Report Date:** 28 Feb 2024



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## GRAPHS

