



# CONSTRUCTION EQUIPMENT

## 2928 VOLVO A40G 353407 - FRONT AXLE



**Sample No:** VCP341891  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** 2928



### SAMPLE INFORMATION

Sample Number	<b>VCP341891</b>	VCP312574	---	---
Sample Date	<b>14 Dec 2023</b>	03 Oct 2023	---	---
Machine Hours	<b>997</b>	504	---	---
Oil Hours	<b>600</b>	504	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>ATTENTION</b>	ATTENTION	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 52.0</b>	▲ 52.3	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>■ 2</b>	■ 3	---	---
Sodium	ppm	<b>■ &lt;1</b>	■ 0	---	---
Potassium	ppm	<b>■ 4</b>	■ 5	---	---

### Diagnosis

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>■ 154</b>	■ 129	---	---
Copper	ppm	<b>■ 0</b>	■ 1	---	---
Lead	ppm	<b>■ 0</b>	■ 0	---	---
Tin	ppm	<b>■ 0</b>	■ 0	---	---
Aluminum	ppm	<b>■ 0</b>	■ 1	---	---
Chromium	ppm	<b>■ 2</b>	■ 2	---	---
Molybdenum	ppm	<b>■ 1</b>	■ 3	---	---
Nickel	ppm	<b>■ 0</b>	■ <1	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>■ 7</b>	■ 6	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>■ 16</b>	■ 12	---	---
Magnesium	ppm	<b>■ 0</b>	■ <1	---	---
Zinc	ppm	<b>■ 6</b>	■ 0	---	---
Phosphorus	ppm	<b>■ 2220</b>	■ 2284	---	---
Barium	ppm	<b>■ 0</b>	■ 0	---	---
Boron	ppm	<b>■ 234</b>	■ 286	---	---

**Depot:** SCHGRE  
**Unique No:** 10807043  
**Signed:** Don Baldrige  
**Report Date:** 28 Dec 2023



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## GRAPHS

