



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352497 - DROP BOX



**Sample No:** VCP451103  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP451103	---	---	---
Sample Date	16 May 2024	---	---	---
Machine Hours	5924	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
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### OIL CONDITION

Visc @ 40°C	cSt	● 40.8	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 42	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 2	---	---	---



### WEAR METALS

Iron	ppm	▲ 5432	---	---	---
Copper	ppm	■ 72	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	▲ 66	---	---	---
Molybdenum	ppm	● 32	---	---	---
Nickel	ppm	▲ 13	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 80	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	● 3120	---	---	---
Magnesium	ppm	■ 15	---	---	---
Zinc	ppm	● 830	---	---	---
Phosphorus	ppm	● 1423	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 187	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO0090  
**Unique No:** 11035992  
**Signed:** Sean Felton  
**Report Date:** 22 May 2024



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## GRAPHS

