



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352700 - DROP BOX



**Sample No:** VCP449693  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP449693	---	---	---
Sample Date	11 Jul 2024	---	---	---
Machine Hours	4716	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	● 77.5	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 96	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 4	---	---	---



### WEAR METALS

Iron	ppm	▲ 949	---	---	---
Copper	ppm	■ 26	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 9	---	---	---
Chromium	ppm	■ 16	---	---	---
Molybdenum	ppm	■ 22	---	---	---
Nickel	ppm	■ 9	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 31	---	---	---
Magnesium	ppm	■ 10	---	---	---
Zinc	ppm	■ 91	---	---	---
Phosphorus	ppm	■ 2375	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 232	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO0090  
**Unique No:** 11125327  
**Signed:** Sean Felton  
**Report Date:** 17 Jul 2024



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## GRAPHS

