



# CONSTRUCTION EQUIPMENT

633493 VOLVO A45G 353505 - FRONT AXLE



**Sample No:** VCP432950  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 633493



## SAMPLE INFORMATION

Sample Number	VCP432950	---	---	---
Sample Date	09 Nov 2023	---	---	---
Machine Hours	1583	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

**ORANGE COUNTY SOLID WASTE**  
 5901 YOUNG PINE ROAD  
 ORLANDO, FL  
 US 32829  
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## OIL CONDITION

Visc @ 40°C	cSt	▲ 52.8	---	---	---
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## CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 6	---	---	---

## 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	■ 485	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 15	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 143	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 63	---	---	---
Phosphorus	ppm	2401	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 181	---	---	---

**Depot:** ORAORL  
**Unique No:** 10741667  
**Signed:** Don Baldrige  
**Report Date:** 16 Nov 2023



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## GRAPHS

