



# CONSTRUCTION EQUIPMENT

456125-30 VOLVO A45G 342711 - REAR AXLE



**Sample No:** VCP454849  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 456125-30



## SAMPLE INFORMATION

Sample Number	VCP454849	VCP446554	---	---
Sample Date	13 May 2024	06 May 2024	---	---
Machine Hours	6298	4486	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
 5210 REESE ROAD  
 DAVIE, FL  
 US 33314  
 Contact: N. FACEY  
 nfacey@altaequipfl.com  
 T: (954)581-4744  
 F: (954)583-0318

## OIL CONDITION

Visc @ 40°C	cSt	303	301	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	60	14	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	<1	<1	---	---

**Diagnosis**  
 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. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

## WEAR METALS

Iron	ppm	457	145	---	---
Copper	ppm	10	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	4	<1	---	---
Chromium	ppm	4	2	---	---
Molybdenum	ppm	11	9	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	10	3	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	90	116	---	---
Magnesium	ppm	13	13	---	---
Zinc	ppm	75	69	---	---
Phosphorus	ppm	997	1020	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	147	184	---	---

**Depot:** VOLVO0095  
**Unique No:** 11031759  
**Signed:** Don Baldrige  
**Report Date:** 17 May 2024



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## GRAPHS

