



# CONSTRUCTION EQUIPMENT

SWA398817 COM METALS VOLVO EC350EL 314209 - REAR LEFT FINAL DRIVE



**Sample No:** VCP432453  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWA398817 COM METALS



## SAMPLE INFORMATION

Sample Number	VCP432453	---	---	---
Sample Date	27 Oct 2023	---	---	---
Machine Hours	2103	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: JOHN FARDELLA  
 john.fardella@altg.com  
 T: (813)630-0077  
 F: (813)630-2233



## OIL CONDITION

Visc @ 40°C	cSt	■ 341	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	◆ 517	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 12	---	---	---

## 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. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



## WEAR METALS

Iron	ppm	▲ 1410	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 146	---	---	---
Chromium	ppm	▲ 12	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	10	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 12	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 54	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 2	---	---	---
Phosphorus	ppm	■ 1107	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 146	---	---	---

**Depot:** VOLVO0093  
**Unique No:** 10753466  
**Signed:** Don Baldrige  
**Report Date:** 24 Nov 2023



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## VOLVO GRAPHS

