



# CONSTRUCTION EQUIPMENT

W02007586 VOLVO EC350 314382 - REAR LEFT FINAL DRIVE



**Sample No:** VCP418138  
**Oil Type:** MOBIL MOBILUBE HD 85W140  
**Job No:** W02007586



## SAMPLE INFORMATION

Sample Number	VCP418138	---	---	---
Sample Date	03 Oct 2023	---	---	---
Machine Hours	1984	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	■ 305	---	---	---
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## CONTAMINATION

Silicon	ppm	◆ 317	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 18	---	---	---

## 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	▲ 1258	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 79	---	---	---
Chromium	ppm	▲ 20	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 28	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 3	---	---	---
Phosphorus	ppm	■ 917	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 126	---	---	---

**Depot:** VOLVO0002  
**Unique No:** 10697301  
**Signed:** Don Baldrige  
**Report Date:** 18 Oct 2023



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## GRAPHS

