



# CONSTRUCTION EQUIPMENT

24462 VOLVO EC350E 314700 - REAR LEFT FINAL DRIVE



**Sample No:** VCP400702  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 24462



## SAMPLE INFORMATION

Sample Number	VCP400702	---	---	---
Sample Date	15 Nov 2023	---	---	---
Machine Hours	672	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 167	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 86	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	█ 326	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ 17	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 15	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 4	---	---	---
Phosphorus	ppm	█ 296	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO3387  
**Unique No:** 10751895  
**Signed:** Jonathan Hester  
**Report Date:** 22 Nov 2023



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## GRAPHS

