



# CONSTRUCTION EQUIPMENT

X59829 VOLVO EC350EL 314453 - SWING DRIVE



**Sample No:** VCP438466  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** X59829



## SAMPLE INFORMATION

Sample Number	VCP438466	---	---	---
Sample Date	01 Jul 2024	---	---	---
Machine Hours	970	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 172	---	---	---
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## CONTAMINATION

Water	%	▲ 0.221	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	▲ 860	---	---	---
Copper	ppm	█ 32	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 14	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 35	---	---	---
Phosphorus	ppm	█ 327	---	---	---
Barium	ppm	█ 6	---	---	---
Boron	ppm	█ 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. The iron level is abnormal. All other metal levels are typical for a new component breaking in. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SCOSAI  
**Unique No:** 11116072  
**Signed:** Don Baldrige  
**Report Date:** 12 Jul 2024



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## GRAPHS

