



CONSTRUCTION EQUIPMENT

SWA289055 DEV CNT FL VOLVO EC350EL 3 10595 - REAR RIGHT FINAL DRIVE



Sample No: VCP425277
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWA289055 DEV CNT FL



SAMPLE INFORMATION

Sample Number	VCP425277	---	---	---
Sample Date	20 Jun 2023	---	---	---
Machine Hours	4895	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 392	---	---	---
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CONTAMINATION

Silicon	ppm	◆ 426	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 4	---	---	---

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 advise that you inspect for the source(s) of wear. 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	◆ 1953	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 8	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 54	---	---	---
Chromium	ppm	◆ 28	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ 4	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 16	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 15	---	---	---
Magnesium	ppm	■ 9	---	---	---
Zinc	ppm	■ 13	---	---	---
Phosphorus	ppm	■ 733	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 83	---	---	---

Depot: VOLVO0096
Unique No: 10535182
Signed: Jonathan Hester
Report Date: 30 Jun 2023



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GRAPHS

