



CONSTRUCTION EQUIPMENT

X58161 VOLVO ECR235EL 311537 - REAR LEFT FINAL DRIVE



Sample No: VCP322923
Oil Type: NOT GIVEN
Job No: X58161



SAMPLE INFORMATION

Sample Number	VCP322923	---	---	---
Sample Date	07 Jul 2023	---	---	---
Machine Hours	4049	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 246	---	---	---
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CONTAMINATION

Water	%	▲ 0.284	---	---	---
Silicon	ppm	◆ 2210	---	---	---
Sodium	ppm	■ 48	---	---	---
Potassium	ppm	■ 95	---	---	---

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. There is a light concentration of water present in the oil. 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	◆ 6530	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 241	---	---	---
Chromium	ppm	◆ 89	---	---	---
Molybdenum	ppm	■ 11	---	---	---
Nickel	ppm	■ 5	---	---	---
Titanium	ppm	■ 11	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 57	---	---	---
Vanadium	ppm	■ <1	---	---	---



ADDITIVES

Calcium	ppm	■ 183	---	---	---
Magnesium	ppm	■ 33	---	---	---
Zinc	ppm	■ 38	---	---	---
Phosphorus	ppm	■ 383	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 2	---	---	---

Depot: SCOSAI
Unique No: 10552834
Signed: Don Baldrige
Report Date: 14 Jul 2023



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GRAPHS

