



CONSTRUCTION EQUIPMENT

699923 VOLVO ECR235EL 310702 - REAR LEFT FINAL DRIVE



Sample No: VCP336218
Oil Type: GEAR OIL SAE 85W140
Job No: 699923



SAMPLE INFORMATION

Sample Number	VCP336218	---	---	---
Sample Date	20 Sep 2021	---	---	---
Machine Hours	3476	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
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OIL CONDITION

Visc @ 40°C	cSt	■ 255	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 1505	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	▲ 7413	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	● 72	---	---	---
Chromium	ppm	▲ 110	---	---	---
Molybdenum	ppm	■ 16	---	---	---
Nickel	ppm	8	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	65	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 74	---	---	---
Magnesium	ppm	■ 9	---	---	---
Zinc	ppm	■ 29	---	---	---
Phosphorus	ppm	366	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 50	---	---	---

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. The iron and chrome levels are severe. 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.

Depot: VOLVO8885
Unique No: 9669895
Signed: Don Baldrige
Report Date: 23 Sep 2021



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GRAPHS

