



CONSTRUCTION EQUIPMENT

813638 VOLVO ECR235EL 310702 - FRONT LEFT FINAL DRIVE



Sample No: VCP350442
Oil Type: GEAR OIL SAE 80W140
Job No: 813638



SAMPLE INFORMATION

Sample Number	VCP350442	---	---	---
Sample Date	02 Mar 2022	---	---	---
Machine Hours	3512	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	■ 271	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 209	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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	▲ 1539	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	● 28	---	---	---
Chromium	ppm	▲ 20	---	---	---
Molybdenum	ppm	■ 6	---	---	---
Nickel	ppm	4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 15	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 52	---	---	---
Magnesium	ppm	■ 11	---	---	---
Zinc	ppm	■ 29	---	---	---
Phosphorus	ppm	799	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 117	---	---	---

Depot: VOLVO8885
Unique No: 9878408
Signed: Don Baldrige
Report Date: 09 Mar 2022



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GRAPHS

