



CONSTRUCTION EQUIPMENT

736851 M MARIETTA VOLVO EC250ELR 314026 - FRONT RIGHT FINAL DRIVE



Sample No: VCP432626
Oil Type: CHEVRON DELO GEAR ESI OIL 85W140
Job No: 736851 M MARIETTA



SAMPLE INFORMATION

Sample Number	VCP432626	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	6047	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 229	---	---	---
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CONTAMINATION

Water	%	■ 0.115	---	---	---
Silicon	ppm	▲ 257	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 493	---	---	---



WEAR METALS

Iron	ppm	▲ 1310	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 60	---	---	---
Chromium	ppm	▲ 23	---	---	---
Molybdenum	ppm	■ 9	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 14	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1346	---	---	---
Magnesium	ppm	■ 122	---	---	---
Zinc	ppm	■ 61	---	---	---
Phosphorus	ppm	■ 449	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 426	---	---	---

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 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 condition of the oil is acceptable for the time in service.

Depot: VOLVO0088
Unique No: 10793413
Signed: Jonathan Hester
Report Date: 20 Dec 2023



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GRAPHS

