



CONSTRUCTION EQUIPMENT

W02007586 VOLVO EC350 314382 - REAR RIGHT FINAL DRIVE



Sample No: VCP418320
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: W02007586



SAMPLE INFORMATION

Sample Number	VCP418320	---	---	---
Sample Date	03 Oct 2023	---	---	---
Machine Hours	1989	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO INC
 8450 QUARRY ROAD
 MANASSAS, VA
 US 20110
 Contact: MIKE MAYHUGH
 MMAYHUGH@MCCLUNG-LOGAN.COM
 T: (703)393-7344
 F: (703)393-7844



OIL CONDITION

Visc @ 40°C	cSt	■ 299	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 200	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 11	---	---	---

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. Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	▲ 891	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 37	---	---	---
Chromium	ppm	▲ 18	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 18	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ <1	---	---	---
Phosphorus	ppm	■ 888	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 123	---	---	---

Depot: VOLVO0002
Unique No: 10697299
Signed: Don Baldrige
Report Date: 18 Oct 2023



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GRAPHS

