



CONSTRUCTION EQUIPMENT

353597 VOLVO EC350EL 314416 - REAR LEFT FINAL DRIVE



Sample No: VCP441910
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 353597



SAMPLE INFORMATION

Sample Number	VCP441910	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	1579	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

CALLANAN
 RT 32 677 FLATBUSH RD
 EAST KINGSTON, NY
 US 12401
 Contact:



OIL CONDITION

Visc @ 40°C	cSt	162	---	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 116	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 12	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. 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	▲ 946	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 27	---	---	---
Chromium	ppm	▲ 21	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 10	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 301	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 0	---	---	---
Phosphorus	ppm	■ 233	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ <1	---	---	---

Depot: CALEAS
Unique No: 10655633
Signed: Sean Felton
Report Date: 20 Sep 2023



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GRAPHS

