



CONSTRUCTION EQUIPMENT

VOLVO EC750EL 310167 - REAR LEFT FINAL DRIVE



Sample No: VCP411821
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP411821	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	5061	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

McClung-Logan Virginia LLC
 2025 COOK DRIVE
 SALEM, VA
 US 24153
 Contact: CHRIS BLANKENSHIP
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	■ 235	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 106	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 5	---	---	---

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. All other component wear rates are normal. 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	▲ 808	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 11	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 11	---	---	---
Magnesium	ppm	■ 6	---	---	---
Zinc	ppm	■ 13	---	---	---
Phosphorus	ppm	■ 906	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 90	---	---	---

Depot: VOLVO9010
Unique No: 10606346
Signed: Don Baldrige
Report Date: 17 Aug 2023



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VOLVO GRAPHS

