



CONSTRUCTION EQUIPMENT

4300DR KINSLEY CONST VOLVO EC250DL 210374 - REAR LEFT FINAL DRIVE



Sample No: VCP399663
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 4300DR KINSLEY CONST



SAMPLE INFORMATION

Sample Number	VCP399663	---	---	---
Sample Date	06 Sep 2023	---	---	---
Machine Hours	9490	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

HIGHWAY EQUIPMENT & SUPPLY CO
 PO BOX 127
 DRUMS, PA
 US 18222
 Contact: JUSTIN BLOSS
 justin@hwyequip.com
 T: (570)788-1127
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OIL CONDITION

Visc @ 40°C	cSt	■ 328	---	---	---
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CONTAMINATION

Silicon	ppm	◆ 655	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 38	---	---	---

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 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	◆ 2410	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 117	---	---	---
Chromium	ppm	▲ 18	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	10	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 18	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 151	---	---	---
Magnesium	ppm	■ 36	---	---	---
Zinc	ppm	■ 63	---	---	---
Phosphorus	ppm	■ 1081	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 64	---	---	---

Depot: VOLVO0022
Unique No: 10645530
Signed: Don Baldrige
Report Date: 15 Sep 2023



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GRAPHS

