



CONSTRUCTION EQUIPMENT

702525 LANE VOLVO EC200 314235 - REAR LEFT FINAL DRIVE



Sample No: VCP454002
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 702525 LANE



SAMPLE INFORMATION

Sample Number	VCP454002	---	---	---
Sample Date	24 Apr 2024	---	---	---
Machine Hours	4521	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 208	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 180	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 6	---	---	---

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 level of silicon (Si) above normal indicating ingress of dirt/seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 895	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ 9	---	---	---
Molybdenum	ppm	█ 14	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 300	---	---	---
Magnesium	ppm	█ 86	---	---	---
Zinc	ppm	█ 175	---	---	---
Phosphorus	ppm	█ 416	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 13	---	---	---

Depot: VOLVO0096
Unique No: 11005587
Signed: Jonathan Hester
Report Date: 03 May 2024



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GRAPHS

