



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314022 - LEFT FINAL DRIVE



Sample No: VCP442690
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP442690	---	---	---
Sample Date	01 Feb 2024	---	---	---
Machine Hours	2518	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 175	---	---	---
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CONTAMINATION

Water	%	█ 0.073	---	---	---
Silicon	ppm	◆ 1282	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	◆ 3058	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 72	---	---	---
Chromium	ppm	◆ 25	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	▲ 13	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 23	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 674	---	---	---
Magnesium	ppm	█ 16	---	---	---
Zinc	ppm	█ 2	---	---	---
Phosphorus	ppm	█ 292	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 5	---	---	---

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.

Depot: VOLVO0090
Unique No: 10862310
Signed: Don Baldrige
Report Date: 07 Feb 2024



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GRAPHS

