



CONSTRUCTION EQUIPMENT

716661 MOSAIC VOLVO EC480EL 315447 - REAR LEFT FINAL DRIVE



Sample No: VCP454867
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 716661 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP454867	---	---	---
Sample Date	22 May 2024	---	---	---
Machine Hours	1348	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 172	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 80	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	▲ 1100	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	● 7	---	---	---
Chromium	ppm	▲ 11	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 11	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 55	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 49	---	---	---
Phosphorus	ppm	█ 495	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 30	---	---	---

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 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.

Depot: VOLVO0093
Unique No: 11087983
Signed: Sean Felton
Report Date: 21 Jun 2024



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GRAPHS

