



CONSTRUCTION EQUIPMENT

619854 MOSIAC VOLVO EC480EL 314507 - REAR LEFT FINAL DRIVE



Sample No: VCP413167
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 619854 MOSIAC



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SAMPLE INFORMATION

Sample Number	VCP413167	VCP336910	---	---
Sample Date	09 Oct 2023	03 Feb 2022	---	---
Machine Hours	3761	1118	---	---
Oil Hours	2000	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 590	■ 154	---	---
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CONTAMINATION

Silicon	ppm	● 1092	■ 56	---	---
Sodium	ppm	■ 2	■ 0	---	---
Potassium	ppm	■ 5	■ <1	---	---



WEAR METALS

Iron	ppm	● 7993	■ 564	---	---
Copper	ppm	■ 12	■ <1	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ 1	■ 0	---	---
Aluminum	ppm	▲ 44	■ 2	---	---
Chromium	ppm	● 79	■ 11	---	---
Molybdenum	ppm	■ 12	■ 1	---	---
Nickel	ppm	■ 8	■ 0	---	---
Titanium	ppm	■ 6	■ <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 51	■ 5	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	■ 132	■ 53	---	---
Magnesium	ppm	■ 19	■ 1	---	---
Zinc	ppm	■ 69	■ 14	---	---
Phosphorus	ppm	■ 844	■ 137	---	---
Barium	ppm	■ <1	■ 0	---	---
Boron	ppm	■ 114	■ 1	---	---

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 viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0093
Unique No: 10742441
Signed: Don Baldrige
Report Date: 18 Nov 2023



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VOLVO GRAPHS

