



CONSTRUCTION EQUIPMENT

619854 MOSIAC VOLVO EC480EL 3 14507 - REAR RIGHT FINAL DRIVE



Sample No: VCP441468
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 619854 MOSIAC



SAMPLE INFORMATION

Sample Number	VCP441468	VCP350180	---	---
Sample Date	09 Oct 2023	03 Feb 2022	---	---
Machine Hours	3761	1118	---	---
Oil Hours	2000	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	223	165	---	---
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CONTAMINATION

Silicon	ppm	660	280	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	3	2	---	---



WEAR METALS

Iron	ppm	5741	2439	---	---
Copper	ppm	10	2	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	24	18	---	---
Chromium	ppm	57	43	---	---
Molybdenum	ppm	8	6	---	---
Nickel	ppm	5	<1	---	---
Titanium	ppm	4	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	36	21	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	54	69	---	---
Magnesium	ppm	12	7	---	---
Zinc	ppm	138	28	---	---
Phosphorus	ppm	705	252	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	82	2	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10742438
Signed: Sean Felton
Report Date: 17 Nov 2023



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GRAPHS

