



CONSTRUCTION EQUIPMENT

716821 MOSAIC VOLVO EC480EL 315147 - RIGHT SWING DRIVE



Sample No: VCP447399
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 716821 MOSAIC



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SAMPLE INFORMATION

Sample Number	VCP447399	VCP452122	VCP416197	---
Sample Date	24 May 2024	13 Jan 2024	21 Aug 2023	---
Machine Hours	2182	1647	812	---
Oil Hours	1000	800	812	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	232	241	154	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	29	15	34	---
Sodium	ppm	2	0	<1	---
Potassium	ppm	<1	1	0	---



WEAR METALS

Iron	ppm	160	114	158	---
Copper	ppm	16	11	13	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	2	2	4	---
Chromium	ppm	2	1	2	---
Molybdenum	ppm	<1	1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	1	3	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	371	339	6	---
Magnesium	ppm	6	7	0	---
Zinc	ppm	148	155	8	---
Phosphorus	ppm	839	842	317	---
Barium	ppm	<1	11	0	---
Boron	ppm	101	102	0	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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: 11087968
Signed: Wes Davis
Report Date: 20 Jun 2024



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GRAPHS

