



CONSTRUCTION EQUIPMENT

594455 MOSAIC VOLVO EC480E 314327 - RIGHT SWING DRIVE



Sample No: VCP414652
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 594455 MOSAIC



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SAMPLE INFORMATION

Sample Number	VCP414652	VCP386212	VCP386144	VCP362286
Sample Date	19 Aug 2023	02 Dec 2022	02 Dec 2022	12 May 2022
Machine Hours	4013	3030	3030	2020
Oil Hours	1000	1030	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	260	162	259	157
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CONTAMINATION

Silicon	ppm	21	32	13	14
Sodium	ppm	0	<1	0	0
Potassium	ppm	0	<1	0	1



WEAR METALS

Iron	ppm	623	196	507	672
Copper	ppm	22	12	17	23
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	4	6	<1	3
Chromium	ppm	4	3	4	7
Molybdenum	ppm	3	9	4	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	6	2	4	7
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	48	1036	63	46
Magnesium	ppm	13	40	20	5
Zinc	ppm	56	442	77	49
Phosphorus	ppm	954	814	912	915
Barium	ppm	0	2	2	3
Boron	ppm	136	89	88	116

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: 10669043
Signed: Wes Davis
Report Date: 28 Sep 2023



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GRAPHS

