



CONSTRUCTION EQUIPMENT

661680 ALTA RENTS VOLVO EC480E 315141 - REAR LEFT FINAL DRIVE



Sample No: VCP436852
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 661680 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP436852	VCP440726	VCP412210	VCP395219
Sample Date	27 Jan 2024	23 Dec 2023	16 Aug 2023	23 May 2023
Machine Hours	2449	2130	1133	544
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	149	159	158	160
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	12	11	12
Sodium	ppm	0	3	2	<1
Potassium	ppm	1	<1	2	2

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.



WEAR METALS

Iron	ppm	258	374	338	231
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	1	4	2
Chromium	ppm	3	6	6	4
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	4	5	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	11	13	22
Magnesium	ppm	4	1	<1	1
Zinc	ppm	9	<1	0	10
Phosphorus	ppm	752	256	355	321
Barium	ppm	2	1	2	6
Boron	ppm	103	0	0	<1

Depot: VOLVO0096
Unique No: 10858204
Signed: Sean Felton
Report Date: 01 Feb 2024



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GRAPHS

