



CONSTRUCTION EQUIPMENT

688640 VOLVO EC480E 315141 - LEFT SWING DRIVE



Sample No: VCP453876
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 688640



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SAMPLE INFORMATION

Sample Number	VCP453876	VCP436810	VCP440723	VCP412212
Sample Date	20 Mar 2024	27 Jan 2024	23 Dec 2023	16 Aug 2023
Machine Hours	3020	2449	2130	1133
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	161	162	291	173
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	4	10	32
Sodium	ppm	0	0	0	<1
Potassium	ppm	1	<1	0	<1



WEAR METALS

Iron	ppm	59	34	65	146
Copper	ppm	7	3	8	22
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	3	2	1	3
Chromium	ppm	<1	<1	<1	3
Molybdenum	ppm	1	<1	1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	24	20	89	8
Magnesium	ppm	6	5	18	<1
Zinc	ppm	20	10	46	16
Phosphorus	ppm	1096	1005	914	342
Barium	ppm	1	<1	0	2
Boron	ppm	226	191	162	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: VOLVO0096
Unique No: 10942412
Signed: Jonathan Hester
Report Date: 28 Mar 2024



CONSTRUCTION EQUIPMENT



GRAPHS

