



CONSTRUCTION EQUIPMENT

SW-26674-2 GRANT VOLVO EC480EL 314608 - LEFT SWING DRIVE



Sample No: VCP434545
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-26674-2 GRANT



SAMPLE INFORMATION

Sample Number	VCP434545	VCP399604	VCP387700	VCP346045
Sample Date	20 Nov 2023	10 Feb 2023	24 Oct 2022	07 Feb 2022
Machine Hours	4022	2501	2062	1060
Oil Hours	2000	440	0	1060
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	160	162	149	183
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	3	8	13
Sodium	ppm	1	<1	<1	3
Potassium	ppm	0	0	<1	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	71	64	417	128
Copper	ppm	4	2	7	14
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	0	2	1
Chromium	ppm	<1	<1	5	3
Molybdenum	ppm	62	63	1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	17	8	7
Magnesium	ppm	0	2	3	1
Zinc	ppm	27	32	18	10
Phosphorus	ppm	957	848	1428	322
Barium	ppm	0	0	4	<1
Boron	ppm	134	146	133	<1

Depot: VOLVO8770
Unique No: 10763008
Signed: Wes Davis
Report Date: 28 Nov 2023



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VOLVO GRAPHS

