



CONSTRUCTION EQUIPMENT

SWO-067874 VOLVO A60 340104 - REAR RIGHT FINAL DRIVE



Sample No: VCP435549
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-067874



SAMPLE INFORMATION

Sample Number	VCP435549	VCP403946	VCP390135	VCP364273
Sample Date	30 Nov 2023	17 Apr 2023	08 Nov 2022	25 Aug 2022
Machine Hours	9185	8086	7528	6996
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	▲ 284.4	■ 205	■ 208	■ 206
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 4	■ 2	■ 1	■ 2
Sodium	ppm	■ 2	■ 0	■ 0	■ 0
Potassium	ppm	■ 0	■ 0	■ 2	■ <1

Diagnosis

No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 11	■ 42	■ 22	■ 18
Copper	ppm	■ <1	■ 0	■ <1	■ <1
Lead	ppm	■ 0	■ 0	■ 0	■ <1
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 0	■ <1	■ 0	■ <1
Chromium	ppm	■ 0	■ 1	■ <1	■ <1
Molybdenum	ppm	■ 2	■ 3	■ 2	■ 2
Nickel	ppm	■ 0	■ 0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	2	2
Manganese	ppm	■ <1	■ 2	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 63	■ 73	■ 73	■ 77
Magnesium	ppm	■ 25	■ 15	■ 18	■ 20
Zinc	ppm	■ 55	■ 26	■ 47	■ 51
Phosphorus	ppm	■ 1023	■ 1342	■ 1123	■ 1158
Barium	ppm	■ 0	■ 0	■ 0	■ <1
Boron	ppm	■ 192	■ 222	■ 175	■ 195

Depot: SAIBIR
Unique No: 10776647
Signed: Jonathan Hester
Report Date: 12 Dec 2023



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VOLVO GRAPHS

