



CONSTRUCTION EQUIPMENT

SWO-067874 VOLVO A60 340104 - FRONT AXLE



Sample No: VCP435591
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-067874



SAMPLE INFORMATION

Sample Number	VCP435591	VCP426200	VCP406203	VCP390134
Sample Date	30 Nov 2023	24 Aug 2023	17 Apr 2023	08 Nov 2022
Machine Hours	9185	8689	8086	7528
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	282	289	223	224



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	2	1
Sodium	ppm	2	0	0	0
Potassium	ppm	0	<1	0	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	18	15	59	32
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	0
Chromium	ppm	0	<1	1	<1
Molybdenum	ppm	2	3	3	3
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	2
Manganese	ppm	<1	<1	2	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	65	82	98	103
Magnesium	ppm	26	24	20	24
Zinc	ppm	57	64	41	65
Phosphorus	ppm	1010	986	1120	1031
Barium	ppm	0	0	0	0
Boron	ppm	193	189	194	168

Depot: SAIBIR
Unique No: 10776615
Signed: Don Baldrige
Report Date: 08 Dec 2023



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GRAPHS

