



CONSTRUCTION EQUIPMENT

SWO-072403 VOLVO A60H 340044 - REAR AXLE



Sample No: VCP439689
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-072403



SAMPLE INFORMATION

Sample Number	VCP439689	VCP446752	VCP427231	VCP410141
Sample Date	31 May 2024	01 Feb 2024	04 Aug 2023	11 May 2023
Machine Hours	9784	9302	8791	8303
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	308	309	309	311



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	20	4	4	3
Sodium	ppm	1	0	0	0
Potassium	ppm	0	1	1	<1

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	102	28	18	13
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	2	0	0
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	3	2	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	74	89	62	71
Magnesium	ppm	57	36	32	30
Zinc	ppm	75	62	67	69
Phosphorus	ppm	1145	845	1019	991
Barium	ppm	0	5	2	0
Boron	ppm	201	176	195	181

Depot: SAIBIR
Unique No: 11071122
Signed: Jonathan Hester
Report Date: 12 Jun 2024



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VOLVO GRAPHS

