



CONSTRUCTION EQUIPMENT

VOLVO A40G 340716 - FRONT AXLE



Sample No: VCP432354
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP432354	VCP405259	VCP402204	VCP366092
Sample Date	05 Dec 2023	30 Aug 2023	26 Apr 2023	23 Nov 2022
Machine Hours	9440	8929	8381	7881
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	281	281	279.8	272
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	1
Sodium	ppm	0	<1	<1	0
Potassium	ppm	1	0	<1	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.

WEAR METALS

Iron	ppm	7	7	6	6
Copper	ppm	0	0	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	0	0	0
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	6	4	6	2
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	144	144	147	105
Magnesium	ppm	43	44	46	20
Zinc	ppm	88	91	104	70
Phosphorus	ppm	1049	999	1036	932
Barium	ppm	0	0	0	0
Boron	ppm	178	184	173	166

Depot: SAIBIR
Unique No: 10788998
Signed: Don Baldrige
Report Date: 17 Dec 2023



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GRAPHS

