



CONSTRUCTION EQUIPMENT

VOLVO A40G 340716 - FRONT AXLE



Sample No: VCP405259
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP405259	VCP402204	VCP366092	VCP330084
Sample Date	30 Aug 2023	26 Apr 2023	23 Nov 2022	23 Aug 2022
Machine Hours	8929	8381	7881	7326
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	281	279.8	272	269
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CONTAMINATION

Silicon	ppm	2	2	1	3
Sodium	ppm	<1	<1	0	0
Potassium	ppm	0	<1	0	<1



WEAR METALS

Iron	ppm	7	6	6	5
Copper	ppm	0	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	4	6	2	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	144	147	105	100
Magnesium	ppm	44	46	20	23
Zinc	ppm	91	104	70	70
Phosphorus	ppm	999	1036	932	910
Barium	ppm	0	0	0	<1
Boron	ppm	184	173	166	144

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

Depot: SAIBIR
Unique No: 10643558
Signed: Sean Felton
Report Date: 13 Sep 2023



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GRAPHS

