



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 340716 - BOGIE/CENTER AXLE



**Sample No:** VCP369302  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP369302</b>	VCP402273	VCP366090	VCP373744
Sample Date	<b>30 Aug 2023</b>	26 Apr 2023	23 Nov 2022	23 Aug 2022
Machine Hours	<b>8929</b>	8381	7881	7326
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SAIIA CONSTRUCTION LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>293</b>	294	267	267
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### CONTAMINATION

Silicon	ppm	<b>2</b>	1	1	2
Sodium	ppm	<b>&lt;1</b>	0	0	0
Potassium	ppm	<b>0</b>	<1	0	<1



### WEAR METALS

Iron	ppm	<b>13</b>	8	14	12
Copper	ppm	<b>0</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	1
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>3</b>	4	2	3
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>137</b>	139	109	111
Magnesium	ppm	<b>38</b>	33	19	23
Zinc	ppm	<b>85</b>	91	74	78
Phosphorus	ppm	<b>1012</b>	996	897	920
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>190</b>	184	163	152

### 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:** 10643559  
**Signed:** Sean Felton  
**Report Date:** 13 Sep 2023



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## VOLVO GRAPHS

