



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 340716 - REAR AXLE



**Sample No:** VCP405827  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP405827</b>	VCP402198	VCP366093	VCP373749
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

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### OIL CONDITION

Visc @ 40°C	cSt	<b>311</b>	312	252	252
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### CONTAMINATION

Silicon	ppm	<b>3</b>	3	2	3
Sodium	ppm	<b>&lt;1</b>	0	0	0
Potassium	ppm	<b>&lt;1</b>	<1	0	<1



### WEAR METALS

Iron	ppm	<b>11</b>	7	8	7
Copper	ppm	<b>0</b>	<1	9	9
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>2</b>	3	2	2
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>142</b>	130	196	212
Magnesium	ppm	<b>34</b>	27	18	24
Zinc	ppm	<b>86</b>	85	110	128
Phosphorus	ppm	<b>1085</b>	1008	884	980
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>210</b>	192	156	156

### 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:** 10643561  
**Signed:** Sean Felton  
**Report Date:** 13 Sep 2023



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## VOLVO GRAPHS

