



# CONSTRUCTION EQUIPMENT

SWO-066610 VOLVO A60H 340099 - BOGIE/CENTER AXLE



**Sample No:** VCP431666  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-066610



## SAMPLE INFORMATION

Sample Number	<b>VCP431666</b>	VCP416651	VCP410481	VCP370852
Sample Date	<b>11 Oct 2023</b>	18 Jul 2023	27 Mar 2023	14 Oct 2022
Machine Hours	<b>7982</b>	7491	7019	6595
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

4400 LEWISBURG RD  
BIRMINGHAM, AL  
US 35207

Contact: STEPHANI BRITTON  
sbritton@saiia.com;doug.bogart@wearcheck.com  
T: (205)943-2268  
F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>249</b>	252	104	103
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## CONTAMINATION

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



## WEAR METALS

Iron	ppm	<b>15</b>	17	66	63
Copper	ppm	<b>&lt;1</b>	0	1	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	<1	0
Chromium	ppm	<b>0</b>	<1	1	<1
Molybdenum	ppm	<b>4</b>	5	3	3
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	2	2
Vanadium	ppm	<b>0</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>121</b>	153	328	317
Magnesium	ppm	<b>42</b>	36	10	6
Zinc	ppm	<b>63</b>	86	175	158
Phosphorus	ppm	<b>939</b>	1112	1088	972
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>168</b>	218	163	151

## 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:** 10698754  
**Signed:** Sean Felton  
**Report Date:** 19 Oct 2023



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## GRAPHS

