



# CONSTRUCTION EQUIPMENT

## SWO067659 VOLVO A30G 752677 - BOGIE/CENTER AXLE



**Sample No:** VCP435658  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO067659



### SAMPLE INFORMATION

Sample Number	<b>VCP435658</b>	VCP434421	VCP424276	VCP368403
Sample Date	<b>16 Nov 2023</b>	18 Sep 2023	23 Jun 2023	18 Nov 2022
Machine Hours	<b>2403</b>	1919	2405	915
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>131</b>	89.2	90.5	90.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	9	5	6
Sodium	ppm	<b>2</b>	2	0	1
Potassium	ppm	<b>6</b>	6	6	3

### 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	<b>264</b>	465	301	312
Copper	ppm	<b>8</b>	33	27	26
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	1	1	1
Aluminum	ppm	<b>1</b>	1	0	<1
Chromium	ppm	<b>4</b>	8	5	6
Molybdenum	ppm	<b>11</b>	31	17	17
Nickel	ppm	<b>2</b>	4	3	4
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>8</b>	17	10	10
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1290</b>	731	708	725
Magnesium	ppm	<b>28</b>	3	2	2
Zinc	ppm	<b>581</b>	304	309	312
Phosphorus	ppm	<b>1080</b>	1346	1275	1281
Barium	ppm	<b>0</b>	<1	2	2
Boron	ppm	<b>128</b>	251	261	234

**Depot:** SAIBIR  
**Unique No:** 10754636  
**Signed:** Jonathan Hester  
**Report Date:** 27 Nov 2023



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## GRAPHS

