



# CONSTRUCTION EQUIPMENT

## SWO-068624 VOLVO A45G 352769 - REAR AXLE



**Sample No:** VCP447585  
**Oil Type:** {unknown}  
**Job No:** SWO-068624



### SAMPLE INFORMATION

Sample Number	<b>VCP447585</b>	VCP433848	VCP419127	VCP402395
Sample Date	<b>05 Jan 2024</b>	20 Sep 2023	21 Jun 2023	02 Mar 2023
Machine Hours	<b>4942</b>	4400	3875	3355
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>309</b>	302	151	146
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	4	8	4
Sodium	ppm	<b>0</b>	0	9	5
Potassium	ppm	<b>2</b>	<1	4	4



### WEAR METALS

Iron	ppm	<b>23</b>	11	176	168
Copper	ppm	<b>&lt;1</b>	0	2	0
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>2</b>	<1	4	0
Chromium	ppm	<b>&lt;1</b>	<1	3	1
Molybdenum	ppm	<b>4</b>	3	5	3
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	8	6
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>154</b>	148	2586	2678
Magnesium	ppm	<b>20</b>	18	31	23
Zinc	ppm	<b>89</b>	89	1129	1128
Phosphorus	ppm	<b>1087</b>	1001	1079	1086
Barium	ppm	<b>3</b>	0	0	6
Boron	ppm	<b>218</b>	172	38	33

### 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:** 10831007  
**Signed:** Jonathan Hester  
**Report Date:** 16 Jan 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

