



# CONSTRUCTION EQUIPMENT

SWO 064669 VOLVO A45G 352698 - FRONT AXLE



**Sample No:** VCP406868  
**Oil Type:** NOT GIVEN  
**Job No:** SWO 064669



## SAMPLE INFORMATION

Sample Number	<b>VCP406868</b>	VCP408677	VCP367722	VCP388296
Sample Date	<b>07 Aug 2023</b>	16 May 2023	17 Jan 2023	12 Oct 2022
Machine Hours	<b>4553</b>	4038	3513	3026
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>299</b>	146	146	147
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## CONTAMINATION

Silicon	ppm	<b>5</b>	7	6	6
Sodium	ppm	<b>0</b>	8	8	8
Potassium	ppm	<b>1</b>	6	5	5



## WEAR METALS

Iron	ppm	<b>20</b>	294	275	242
Copper	ppm	<b>&lt;1</b>	<1	1	<1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	3	<1	2
Chromium	ppm	<b>&lt;1</b>	4	4	4
Molybdenum	ppm	<b>2</b>	16	17	16
Nickel	ppm	<b>0</b>	<1	1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	10	9	8
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>175</b>	2515	2432	2672
Magnesium	ppm	<b>16</b>	25	26	27
Zinc	ppm	<b>102</b>	1091	1069	1122
Phosphorus	ppm	<b>1012</b>	1036	947	1045
Barium	ppm	<b>2</b>	0	0	6
Boron	ppm	<b>190</b>	61	45	49

## 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:** 10603716  
**Signed:** Sean Felton  
**Report Date:** 15 Aug 2023



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## VOLVO GRAPHS

