



# CONSTRUCTION EQUIPMENT

SWO071176 VOLVO A45G 352734 - BOGIE/CENTER AXLE



**Sample No:** VCP435994  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO071176



## SAMPLE INFORMATION

Sample Number	VCP435994	VCP427324	VCP382596	VCP380790
Sample Date	12 Apr 2024	21 Aug 2023	27 Apr 2023	17 Jan 2023
Machine Hours	4585	3997	3463	2987
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	282	57.0	48.6	48.8
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	3	4	2
Sodium	ppm	<1	2	0	1
Potassium	ppm	2	2	4	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	319	258	291	120
Copper	ppm	1	3	3	2
Lead	ppm	1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	2	0	<1
Chromium	ppm	6	3	3	1
Molybdenum	ppm	15	4	6	4
Nickel	ppm	2	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	10	8	8	6
Vanadium	ppm	<1	0	0	0



## ADDITIVES

Calcium	ppm	112	131	148	123
Magnesium	ppm	28	4	1	2
Zinc	ppm	73	60	72	65
Phosphorus	ppm	993	2448	2310	2280
Barium	ppm	0	0	0	<1
Boron	ppm	160	242	242	227

**Depot:** SAIBIR  
**Unique No:** 10982428  
**Signed:** Sean Felton  
**Report Date:** 22 Apr 2024

**VOLVO** **GRAPHS**

