



# CONSTRUCTION EQUIPMENT

SWO-069432 VOLVO A45G 352565 - BOGIE/CENTER AXLE



**Sample No:** VCP441320  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-069432



## SAMPLE INFORMATION

Sample Number	<b>VCP441320</b>	VCP431038	VCP428925	VCP416370
Sample Date	<b>06 Feb 2024</b>	06 Dec 2023	03 Oct 2023	31 Jul 2023
Machine Hours	<b>9060</b>	8568	8080	7625
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>286</b>	285	298	300
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	4	4	4
Sodium	ppm	<b>0</b>	0	<1	0
Potassium	ppm	<b>&lt;1</b>	<1	<1	<1

## 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>39</b>	20	51	45
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	1	2	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>11</b>	9	2	2
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>138</b>	125	53	52
Magnesium	ppm	<b>51</b>	45	36	36
Zinc	ppm	<b>119</b>	108	87	84
Phosphorus	ppm	<b>969</b>	924	1028	1060
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>166</b>	156	166	244

**Depot:** SAIBIR  
**Unique No:** 10872541  
**Signed:** Don Baldrige  
**Report Date:** 12 Feb 2024



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## VOLVO GRAPHS

