



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352799 - REAR AXLE



**Sample No:** VCP450885  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP450885</b>	VCP445326	VCP428926	VCP417788
Sample Date	<b>04 Jun 2024</b>	27 Feb 2024	25 Oct 2023	12 Jul 2023
Machine Hours	<b>5435</b>	4930	4451	3946
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>292</b>	292	291	149
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	5	6	9
Sodium	ppm	<b>2</b>	1	0	9
Potassium	ppm	<b>4</b>	0	2	2

### 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>43</b>	46	39	317
Copper	ppm	<b>4</b>	0	<1	4
Lead	ppm	<b>4</b>	2	0	0
Tin	ppm	<b>1</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	5
Molybdenum	ppm	<b>15</b>	17	18	6
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	1	14
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>177</b>	234	225	2857
Magnesium	ppm	<b>22</b>	26	27	29
Zinc	ppm	<b>98</b>	120	123	1189
Phosphorus	ppm	<b>749</b>	1010	1053	1135
Barium	ppm	<b>0</b>	<1	0	2
Boron	ppm	<b>138</b>	153	170	44

**Depot:** SAIBIR  
**Unique No:** 11074382  
**Signed:** Don Baldrige  
**Report Date:** 13 Jun 2024



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## VOLVO GRAPHS

