



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 325973 (S/N 352973) - BOGIE/CENTER AXLE



**Sample No:** VCP449872  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP449872</b>	VCP445303	VCP431890	VCP427337
Sample Date	<b>25 Jun 2024</b>	07 Mar 2024	08 Nov 2023	24 Aug 2023
Machine Hours	<b>4536</b>	4034	3521	3044
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

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### OIL CONDITION

Visc @ 40°C	cSt	<b>267</b>	51.2	50.8	50.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	3	4	5
Sodium	ppm	<b>2</b>	3	3	<1
Potassium	ppm	<b>1</b>	4	4	4

### 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>	200	171	247
Copper	ppm	<b>2</b>	3	3	3
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	0
Chromium	ppm	<b>&lt;1</b>	1	2	3
Molybdenum	ppm	<b>7</b>	3	4	8
Nickel	ppm	<b>&lt;1</b>	<1	1	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>2</b>	8	9	12
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>223</b>	138	144	135
Magnesium	ppm	<b>34</b>	0	2	0
Zinc	ppm	<b>137</b>	57	69	67
Phosphorus	ppm	<b>1169</b>	2440	2324	2278
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>166</b>	216	162	170

**Depot:** SAIBIR  
**Unique No:** 1114014  
**Signed:** Don Baldrige  
**Report Date:** 10 Jul 2024



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## GRAPHS

