



# CONSTRUCTION EQUIPMENT

## SWO-071765 VOLVO A45G 342546 - BOGIE/CENTER AXLE



**Sample No:** VCP449657  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-071765



### SAMPLE INFORMATION

Sample Number	<b>VCP449657</b>	VCP432909	VCP417744	VCP402211
Sample Date	<b>07 May 2024</b>	04 Oct 2023	19 Jun 2023	28 Feb 2023
Machine Hours	<b>8542</b>	8046	7553	7072
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	ATTENTION

**SAIIA CONSTRUCTION LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>319</b>	317	319	319
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	3	8	2
Sodium	ppm	<b>0</b>	0	1	<1
Potassium	ppm	<b>1</b>	<1	2	0

### 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>57</b>	40	46	35
Copper	ppm	<b>6</b>	<1	<1	0
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	0	4	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>4</b>	3	3	2
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	2	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>183</b>	120	112	111
Magnesium	ppm	<b>30</b>	26	31	28
Zinc	ppm	<b>110</b>	81	72	70
Phosphorus	ppm	<b>1082</b>	986	953	832
Barium	ppm	<b>2</b>	1	0	0
Boron	ppm	<b>206</b>	159	178	173

**Depot:** SAIBIR  
**Unique No:** 11021941  
**Signed:** Sean Felton  
**Report Date:** 14 May 2024



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## VOLVO GRAPHS

