



# CONSTRUCTION EQUIPMENT

## 634367 VOLVO A40G 352842 - BOGIE/CENTER AXLE



**Sample No:** VCP431828  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 634367



### SAMPLE INFORMATION

Sample Number	<b>VCP431828</b>	VCP424818	VCP386344	VCP359337
Sample Date	<b>27 Nov 2023</b>	11 May 2023	13 Oct 2022	19 Apr 2022
Machine Hours	<b>4010</b>	3070	1984	1024
Oil Hours	<b>3010</b>	2000	1000	1024
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>326</b>	124	124	49.4
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	5	5	2
Sodium	ppm	<b>0</b>	<1	0	2
Potassium	ppm	<b>&lt;1</b>	<1	2	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>12</b>	257	216	100
Copper	ppm	<b>&lt;1</b>	2	2	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>2</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	4	3	<1
Molybdenum	ppm	<b>6</b>	4	3	1
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	9	7	8
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>110</b>	33	23	20
Magnesium	ppm	<b>32</b>	4	6	<1
Zinc	ppm	<b>46</b>	24	26	9
Phosphorus	ppm	<b>1112</b>	1693	1658	2604
Barium	ppm	<b>3</b>	0	1	0
Boron	ppm	<b>198</b>	220	223	240

**Depot:** RIPTAM  
**Unique No:** 10834510  
**Signed:** Wes Davis  
**Report Date:** 18 Jan 2024



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## GRAPHS

