



# CONSTRUCTION EQUIPMENT

## 593927 VOLVO A30G 752151 - BOGIE/CENTER AXLE



**Sample No:** VCP411616  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 593927



### SAMPLE INFORMATION

Sample Number	<b>VCP411616</b>	VCP397432	VCP360244	VCP326567
Sample Date	<b>14 Aug 2023</b>	16 Jan 2023	15 Mar 2022	15 Sep 2021
Machine Hours	<b>5197</b>	4145	2275	1165
Oil Hours	<b>1197</b>	3500	1500	1500
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ATTENTION

**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>300</b>	221	82.9	56.0
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### CONTAMINATION

Water	%	---	---	0.543	---
Silicon	ppm	<b>3</b>	6	8	5
Sodium	ppm	<b>&lt;1</b>	<1	0	2
Potassium	ppm	<b>2</b>	0	4	3

### 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>66</b>	215	311	210
Copper	ppm	<b>6</b>	29	61	59
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	2	2	3
Aluminum	ppm	<b>0</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	3	4	5
Molybdenum	ppm	<b>&lt;1</b>	2	3	8
Nickel	ppm	<b>0</b>	2	3	2
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>1</b>	5	8	12
Vanadium	ppm	<b>0</b>	0	0	<1

### ADDITIVES

Calcium	ppm	<b>89</b>	92	230	788
Magnesium	ppm	<b>18</b>	4	<1	2
Zinc	ppm	<b>63</b>	74	140	327
Phosphorus	ppm	<b>1052</b>	893	838	1388
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>170</b>	134	30	201

**Depot:** RIPTAM  
**Unique No:** 10642022  
**Signed:** Wes Davis  
**Report Date:** 11 Sep 2023



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## GRAPHS

