



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752302 - REAR AXLE



**Sample No:** VCP443023  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP443023</b>	VCP431646	VCP426219	VCP406860
Sample Date	<b>12 Jun 2024</b>	23 Oct 2023	01 Sep 2023	13 Apr 2023
Machine Hours	<b>5450</b>	4260	4098	3244
Oil Hours	<b>0</b>	3700	3500	2744
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	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>369</b>	83.1	220	84.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>&lt;1</b>	4	4	4
Sodium	ppm	<b>0</b>	<1	0	1
Potassium	ppm	<b>1</b>	2	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>&lt;1</b>	416	202	342
Copper	ppm	<b>&lt;1</b>	121	22	112
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	6	1	5
Aluminum	ppm	<b>2</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	6	4	6
Molybdenum	ppm	<b>&lt;1</b>	8	3	8
Nickel	ppm	<b>0</b>	4	2	4
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	13	6	12
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>0</b>	769	188	730
Magnesium	ppm	<b>&lt;1</b>	2	4	6
Zinc	ppm	<b>4</b>	344	115	323
Phosphorus	ppm	<b>994</b>	1416	1074	1316
Barium	ppm	<b>&lt;1</b>	2	2	2
Boron	ppm	<b>186</b>	206	159	236

**Depot:** RIPTAM  
**Unique No:** 11085020  
**Signed:** Don Baldrige  
**Report Date:** 19 Jun 2024



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## GRAPHS

