



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 742023 - FRONT AXLE



**Sample No:** VCP444751  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP444751</b>	VCP411618	VCP393811	VCP359381
Sample Date	<b>02 Apr 2024</b>	11 Sep 2023	08 Mar 2023	20 Apr 2022
Machine Hours	<b>9289</b>	8246	7220	6218
Oil Hours	<b>0</b>	4000	1500	2000
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**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>243</b>	111	111	267
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	7	6	3
Sodium	ppm	<b>0</b>	0	2	<1
Potassium	ppm	<b>0</b>	1	0	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>60</b>	81	52	86
Copper	ppm	<b>4</b>	6	4	6
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>0</b>	0	1	<1
Chromium	ppm	<b>&lt;1</b>	1	<1	1
Molybdenum	ppm	<b>3</b>	2	2	1
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>205</b>	572	477	106
Magnesium	ppm	<b>42</b>	6	6	5
Zinc	ppm	<b>135</b>	290	250	46
Phosphorus	ppm	<b>1217</b>	1329	1276	1053
Barium	ppm	<b>0</b>	1	0	0
Boron	ppm	<b>169</b>	141	147	149

**Depot:** RIPTAM  
**Unique No:** 11056500  
**Signed:** Wes Davis  
**Report Date:** 31 May 2024



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## VOLVO GRAPHS

