



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 742585 - REAR AXLE



**Sample No:** VCP425818  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP425818</b>	VCP386145	VCP330795	VCP344335
Sample Date	<b>29 Sep 2023</b>	01 Nov 2022	04 May 2022	20 Dec 2021
Machine Hours	<b>6229</b>	5235	4244	3384
Oil Hours	<b>0</b>	1000	2000	1300
Oil Changed	<b>N/A</b>	Not Changd	Changed	Not Changd
Sample Status	<b>ABNORMAL</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>277</b>	268	254	259
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### CONTAMINATION

Silicon	ppm	<b>33</b>	10	26	22
Sodium	ppm	<b>&lt;1</b>	<1	<1	2
Potassium	ppm	<b>&lt;1</b>	0	0	2

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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>911</b>	121	362	167
Copper	ppm	<b>50</b>	14	28	21
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>3</b>	0	<1	1
Aluminum	ppm	<b>23</b>	<1	2	3
Chromium	ppm	<b>10</b>	2	5	3
Molybdenum	ppm	<b>5</b>	2	4	3
Nickel	ppm	<b>3</b>	0	3	3
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>6</b>	2	5	3
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>226</b>	234	261	217
Magnesium	ppm	<b>13</b>	8	4	3
Zinc	ppm	<b>85</b>	105	129	109
Phosphorus	ppm	<b>1241</b>	905	963	1011
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>209</b>	169	116	124

**Depot:** RIPTAM  
**Unique No:** 10675825  
**Signed:** Sean Felton  
**Report Date:** 06 Oct 2023



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## GRAPHS

