



# CONSTRUCTION EQUIPMENT

593927 VOLVO A30G 752151 - DROP BOX



**Sample No:** VCP422701  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 593927



## SAMPLE INFORMATION

Sample Number	<b>VCP422701</b>	VCP397369	VCP332907	VCP326568
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>	0	2275	1500
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	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>254</b>	57.4	58.1	60.2
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## CONTAMINATION

Silicon	ppm	<b>9</b>	53	51	47
Sodium	ppm	<b>1</b>	8	6	8
Potassium	ppm	<b>1</b>	0	1	0



## WEAR METALS

Iron	ppm	<b>55</b>	108	82	63
Copper	ppm	<b>0</b>	1	1	2
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>5</b>	28	17	9
Chromium	ppm	<b>&lt;1</b>	2	2	1
Molybdenum	ppm	<b>6</b>	12	11	12
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	3	2	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>62</b>	41	42	44
Magnesium	ppm	<b>8</b>	0	1	0
Zinc	ppm	<b>43</b>	37	40	36
Phosphorus	ppm	<b>1115</b>	1314	1448	1361
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>183</b>	171	164	195

## 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.

**Depot:** RIPTAM  
**Unique No:** 10642026  
**Signed:** Don Baldrige  
**Report Date:** 12 Sep 2023



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## GRAPHS

