



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752302 - FRONT AXLE



**Sample No:** VCP443013  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP443013</b>	VCP431647	VCP414757	VCP420264
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>	4260	3500	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	N/A
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>248</b>	81.9	205	82.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	4	6	5
Sodium	ppm	<b>0</b>	<1	0	1
Potassium	ppm	<b>2</b>	3	2	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>71</b>	296	199	255
Copper	ppm	<b>8</b>	47	16	51
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	2
Aluminum	ppm	<b>2</b>	0	0	<1
Chromium	ppm	<b>1</b>	4	4	4
Molybdenum	ppm	<b>2</b>	5	3	6
Nickel	ppm	<b>&lt;1</b>	2	2	3
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	10	6	10
Vanadium	ppm	<b>&lt;1</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>175</b>	873	325	877
Magnesium	ppm	<b>13</b>	3	4	7
Zinc	ppm	<b>97</b>	397	167	388
Phosphorus	ppm	<b>957</b>	1375	1079	1340
Barium	ppm	<b>&lt;1</b>	2	2	1
Boron	ppm	<b>150</b>	192	150	231

**Depot:** RIPTAM  
**Unique No:** 11085021  
**Signed:** Wes Davis  
**Report Date:** 19 Jun 2024



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## GRAPHS

