



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 742271 - DROP BOX



**Sample No:** VCP414486  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP414486</b>	VCP387708	VCP329934	---
Sample Date	<b>13 Jul 2023</b>	09 Feb 2023	07 Mar 2022	---
Machine Hours	<b>5908</b>	5394	4442	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>ATTENTION</b>	ATTENTION	NORMAL	---

**113 - ASCENDUM MACHINERY INC - GARNER**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 52.1</b>	▲ 53.8	■ 124	---
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### CONTAMINATION

Silicon	ppm	■ <b>4</b>	■ 4	■ 15	---
Sodium	ppm	■ <b>0</b>	■ 1	■ 2	---
Potassium	ppm	■ <b>&lt;1</b>	■ 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 oil viscosity is lower than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	■ <b>24</b>	■ 25	■ 162	---
Copper	ppm	■ <b>&lt;1</b>	■ <1	■ <1	---
Lead	ppm	■ <b>0</b>	■ 0	■ 0	---
Tin	ppm	■ <b>0</b>	■ 0	■ <1	---
Aluminum	ppm	■ <b>6</b>	■ 4	■ 13	---
Chromium	ppm	■ <b>&lt;1</b>	■ <1	■ 2	---
Molybdenum	ppm	■ <b>&lt;1</b>	■ <1	■ 2	---
Nickel	ppm	■ <b>0</b>	■ 0	■ 0	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	■ <b>1</b>	■ <1	■ 4	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	■ <b>62</b>	■ 54	■ 57	---
Magnesium	ppm	■ <b>0</b>	■ 2	■ 0	---
Zinc	ppm	■ <b>27</b>	■ 31	■ 83	---
Phosphorus	ppm	■ <b>2467</b>	■ 2121	■ 1958	---
Barium	ppm	■ <b>0</b>	■ 0	■ 0	---
Boron	ppm	■ <b>213</b>	■ 221	■ 163	---

**Depot:** VOLV00157  
**Unique No:** 10563025  
**Signed:** Don Baldrige  
**Report Date:** 20 Jul 2023



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## GRAPHS

