



# CONSTRUCTION EQUIPMENT

RS0036754 VOLVO A30G 752104 - FRONT AXLE



**Sample No:** VCP431842  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** RS0036754



## SAMPLE INFORMATION

Sample Number	<b>VCP431842</b>	VCP320071	VCP317521	---
Sample Date	<b>31 Jan 2024</b>	24 Aug 2021	28 Jul 2021	---
Machine Hours	<b>4113</b>	1027	968	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

### COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
 PENSACOLA, FL  
 US 32534

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## OIL CONDITION

Visc @ 40°C	cSt	<b>105</b>	108	▲ 56.8	---
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## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ <b>6</b>	■ 3	■ 5	---
Sodium	ppm	■ <b>0</b>	■ <1	■ <1	---
Potassium	ppm	■ <b>2</b>	■ 8	■ 4	---



## WEAR METALS

Iron	ppm	■ <b>113</b>	■ 93	■ 262	---
Copper	ppm	■ <b>8</b>	■ 5	■ 24	---
Lead	ppm	■ <b>0</b>	■ 1	■ 0	---
Tin	ppm	■ <b>0</b>	■ 0	■ 1	---
Aluminum	ppm	■ <b>2</b>	■ 0	■ 0	---
Chromium	ppm	■ <b>1</b>	■ 2	■ 7	---
Molybdenum	ppm	■ <b>4</b>	■ 2	■ 17	---
Nickel	ppm	■ <b>0</b>	■ 2	■ 3	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	■ <b>3</b>	■ 5	■ 24	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	■ <b>532</b>	■ 170	■ 715	---
Magnesium	ppm	■ <b>14</b>	■ 3	■ 2	---
Zinc	ppm	■ <b>272</b>	■ 80	■ 277	---
Phosphorus	ppm	■ <b>856</b>	■ 1077	■ 1541	---
Barium	ppm	■ <b>6</b>	■ 0	■ 2	---
Boron	ppm	■ <b>139</b>	■ 169	■ 229	---

## 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:** VOLVO8247  
**Unique No:** 10863743  
**Signed:** Jonathan Hester  
**Report Date:** 08 Feb 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

