



# CONSTRUCTION EQUIPMENT

## W05003995-1 VOLVO A30G 742530 - BOGIE/CENTER AXLE



**Sample No:** VCP189047  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** W05003995-1



### SAMPLE INFORMATION

Sample Number	<b>VCP189047</b>	VCP420846	VCP296912	---
Sample Date	<b>26 Dec 2023</b>	25 Aug 2023	08 Jan 2021	---
Machine Hours	<b>0</b>	2425	404	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Not Changd	Changed	---
Sample Status	<b>ATTENTION</b>	NORMAL	ATTENTION	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 51.4</b>	■ 51.3	▲ 60.3	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ <b>4</b>	■ 5	■ 2	---
Sodium	ppm	■ <b>4</b>	■ 6	■ 4	---
Potassium	ppm	■ <b>3</b>	■ 2	■ 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>368</b>	■ 261	■ 92	---
Copper	ppm	■ <b>36</b>	■ 32	■ 7	---
Lead	ppm	■ <b>0</b>	■ 0	■ 4	---
Tin	ppm	■ <b>&lt;1</b>	■ 1	■ 0	---
Aluminum	ppm	■ <b>2</b>	■ 2	■ <1	---
Chromium	ppm	■ <b>7</b>	■ 5	■ 2	---
Molybdenum	ppm	■ <b>5</b>	6	■ 4	---
Nickel	ppm	■ <b>3</b>	■ 2	■ 1	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	■ <b>11</b>	10	■ 8	---
Vanadium	ppm	<b>0</b>	<1	0	---



### ADDITIVES

Calcium	ppm	■ <b>302</b>	299	■ 137	---
Magnesium	ppm	■ <b>2</b>	0	■ 25	---
Zinc	ppm	■ <b>136</b>	47	■ 69	---
Phosphorus	ppm	■ <b>2040</b>	2171	■ 1305	---
Barium	ppm	■ <b>10</b>	0	■ 0	---
Boron	ppm	■ <b>256</b>	270	■ 173	---

**Depot:** VOLVO4589  
**Unique No:** 10807700  
**Signed:** Don Baldrige  
**Report Date:** 29 Dec 2023

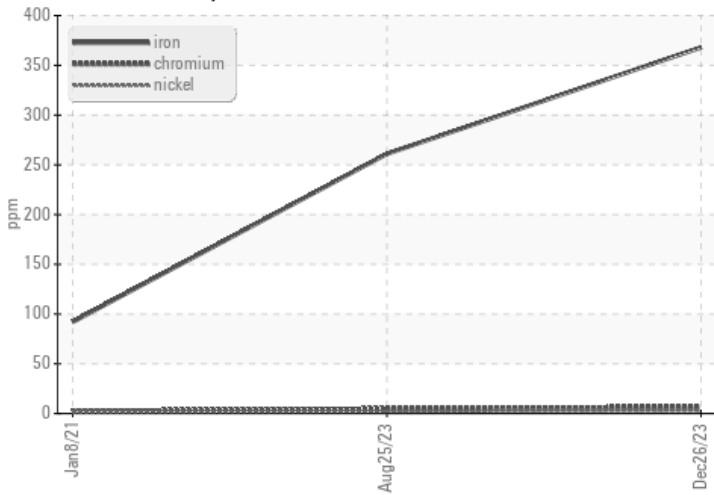


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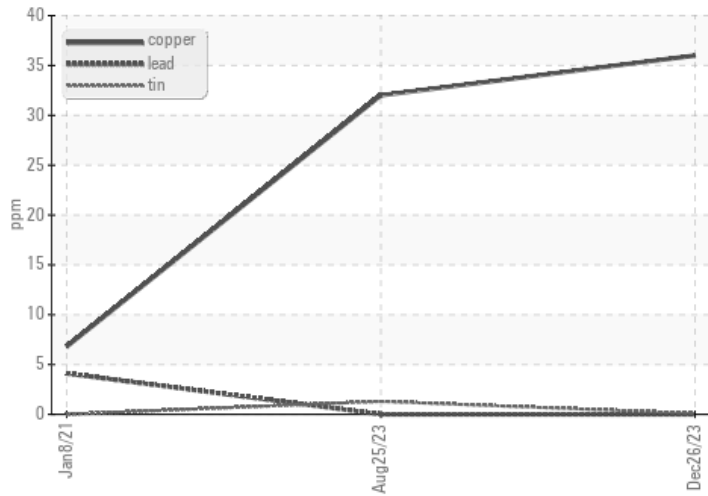


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### ▲ Viscosity @ 40°C

