



# CONSTRUCTION EQUIPMENT

RSO036629 VOLVO A30G 752053 - HYDRAULIC SYSTEM



**Sample No:** VCP430887  
**Oil Type:** VOLVO DTE 25  
**Job No:** RSO036629



## SAMPLE INFORMATION

Sample Number	VCP430887	VCP346905	---	---
Sample Date	09 Jan 2024	31 Jan 2022	---	---
Machine Hours	4956	2189	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

### COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
PENSACOLA, FL  
US 32534

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## OIL CONDITION

Visc @ 40°C	cSt	44.1	46.7	---	---
Acid Number (AN)	mg KOH/g	0.48	0.40	---	---



## CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	8436	---	---
Particles >6µm		---	363	---	---
Particles >14µm		---	3	---	---
ISO 4406:1999 (c)		---	20/16/9	---	---
Silicon	ppm	8	13	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	<1	0	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



## WEAR METALS

Iron	ppm	8	13	---	---
Copper	ppm	1	6	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	4	10	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	2	1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

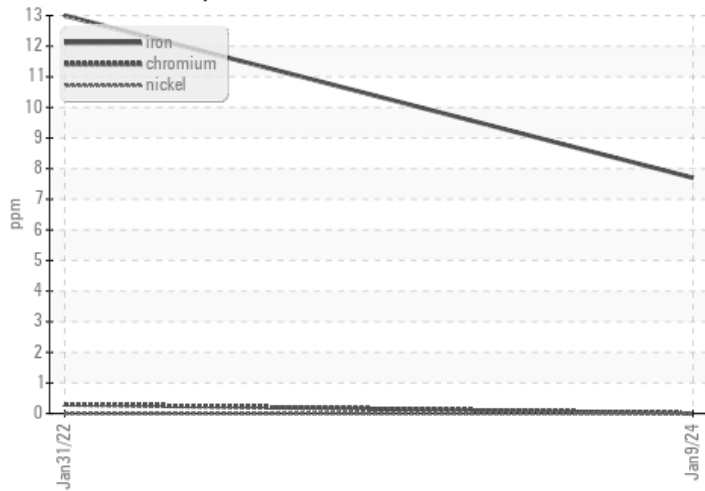
Calcium	ppm	289	76	---	---
Magnesium	ppm	6	3	---	---
Zinc	ppm	515	439	---	---
Phosphorus	ppm	444	340	---	---
Barium	ppm	0	0	---	---
Boron	ppm	13	2	---	---

**Depot:** VOLVO8247  
**Unique No:** 10833979  
**Signed:** Jonathan Hester  
**Report Date:** 19 Jan 2024

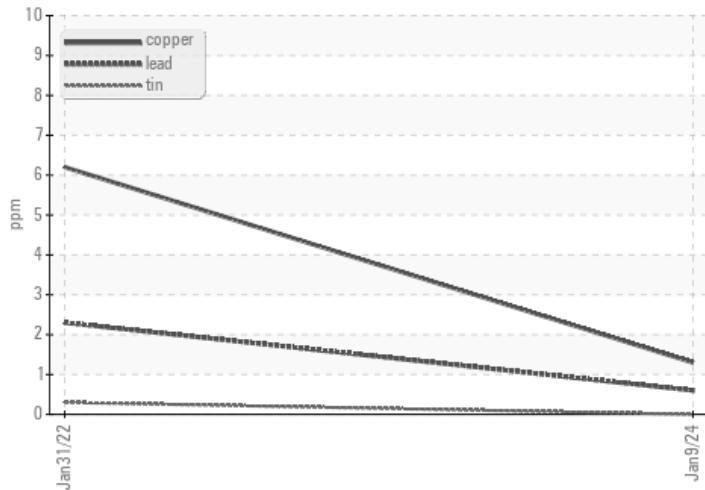


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

