



# CONSTRUCTION EQUIPMENT

RSO036613 COL VOLVO A30G 75373 - DIESEL ENGINE



**Sample No:** VCP436693  
**Oil Type:** {unknown}  
**Job No:** RSO036613 COL



## SAMPLE INFORMATION

Sample Number	VCP436693	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	810	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE**  
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## OIL CONDITION

Visc @ 100°C	cSt	11.1	---	---	---
Base Number (BN)	mg KOH/g	4.8	---	---	---
Oxidation (PA)	%	60	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.3	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.7	---	---	---
Silicon	ppm	51	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---



## WEAR METALS

Iron	ppm	28	---	---	---
Copper	ppm	360	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	80	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	2	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	2219	---	---	---
Magnesium	ppm	32	---	---	---
Zinc	ppm	1173	---	---	---
Phosphorus	ppm	1024	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	36	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** COWMAD  
**Unique No:** 10849254  
**Signed:** Jonathan Hester  
**Report Date:** 31 Jan 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

