



# CONSTRUCTION EQUIPMENT

RS0036083 VOLVO A25G 752018 - BOGIE/CENTER AXLE



Sample No: VCP408632

Oil Type: COWIN 80W90

Job No: RS0036083



## SAMPLE INFORMATION

Sample Number	VCP408632	---	---	---
Sample Date	28 Nov 2023	---	---	---
Machine Hours	3150	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



### COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
PENSACOLA, FL  
US 32534

Contact: HUGH DOBBS  
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T: (850)479-3004  
F: (850)474-1602



## OIL CONDITION

Visc @ 40°C	cSt	▲ 82.9	---	---	---
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## CONTAMINATION

Water	%	▲ 0.385	---	---	---
Silicon	ppm	◆ 1724	---	---	---
Sodium	ppm	■ 11	---	---	---
Potassium	ppm	■ 32	---	---	---



## WEAR METALS

Iron	ppm	▲ 921	---	---	---
Copper	ppm	▲ 216	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 10	---	---	---
Aluminum	ppm	▲ 269	---	---	---
Chromium	ppm	■ 11	---	---	---
Molybdenum	ppm	75	---	---	---
Nickel	ppm	▲ 15	---	---	---
Titanium	ppm	■ 20	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	12	---	---	---
Vanadium	ppm	2	---	---	---



## ADDITIVES

Calcium	ppm	486	---	---	---
Magnesium	ppm	137	---	---	---
Zinc	ppm	284	---	---	---
Phosphorus	ppm	895	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	162	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil. The oil viscosity is lower than normal. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLV08247  
Unique No: 10769933  
Signed: Sean Felton  
Report Date: 07 Dec 2023



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## GRAPHS

