



# CONSTRUCTION EQUIPMENT

RS0036083 VOLVO A25G 752018 - DROP BOX



**Sample No:** VCP408626  
**Oil Type:** COWIN 80W90  
**Job No:** RS0036083



## SAMPLE INFORMATION

Sample Number	VCP408626	---	---	---
Sample Date	28 Nov 2023	---	---	---
Machine Hours	3150	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
PENSACOLA, FL  
US 32534

Contact: HUGH DOBBS  
HDOBBS@COWIN.COM  
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## OIL CONDITION

Visc @ 40°C	cSt	▲ 82.1	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 54	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	■ 53	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 6	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	84	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	521	---	---	---
Magnesium	ppm	142	---	---	---
Zinc	ppm	312	---	---	---
Phosphorus	ppm	912	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	163	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO8247  
**Unique No:** 10769934  
**Signed:** Sean Felton  
**Report Date:** 07 Dec 2023



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## GRAPHS

