



CONSTRUCTION EQUIPMENT

RS0036083 VOLVO A25G 752018 - FRONT AXLE



Sample No: VCP408624
Oil Type: COWIN 80W90
Job No: RS0036083



SAMPLE INFORMATION

Sample Number	VCP408624	---	---	---
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

T: (850)479-3004

F: (850)474-1602



OIL CONDITION

Visc @ 40°C	cSt	▲ 82.0	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 53	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 49	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 7	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	82	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	519	---	---	---
Magnesium	ppm	142	---	---	---
Zinc	ppm	312	---	---	---
Phosphorus	ppm	907	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	161	---	---	---

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: 10769932

Signed: Sean Felton

Report Date: 07 Dec 2023



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GRAPHS

