



# CONSTRUCTION EQUIPMENT

## X27914 VOLVO A25G 752511 - DROP BOX



**Sample No:** VCE091003  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** X27914



### SAMPLE INFORMATION

Sample Number	VCE091003	---	---	---
Sample Date	19 Jul 2023	---	---	---
Machine Hours	947	---	---	---
Oil Hours	947	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	▲ 49.1	---	---	---
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### CONTAMINATION

Water	%	▲ 0.214	---	---	---
Silicon	ppm	▲ 74	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 7	---	---	---



### WEAR METALS

Iron	ppm	■ 280	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 17	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 20	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 10	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 55	---	---	---
Magnesium	ppm	■ 8	---	---	---
Zinc	ppm	■ 285	---	---	---
Phosphorus	ppm	■ 2712	---	---	---
Barium	ppm	■ 6	---	---	---
Boron	ppm	■ 216	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. All component wear rates are normal for time on oil. Appearance is milky. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a light concentration of water present in the oil. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO2603  
**Unique No:** 10565973  
**Signed:** Don Baldrige  
**Report Date:** 26 Jul 2023



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## GRAPHS

