



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 353698 - DIESEL ENGINE



**Sample No:** VCP423359

**Oil Type:** NOT GIVEN

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP423359	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	501	---	---	---
Oil Hours	501	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	10.8	---	---	---
Base Number (BN)	mg KOH/g	5.7	---	---	---
Oxidation (PA)	%	57	---	---	---

### Diagnosis

Oil and filter 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. 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.



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.5	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.6	---	---	---
Silicon	ppm	27	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---



### WEAR METALS

Iron	ppm	29	---	---	---
Copper	ppm	263	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	5	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	82	---	---	---
Nickel	ppm	6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	2104	---	---	---
Magnesium	ppm	19	---	---	---
Zinc	ppm	1173	---	---	---
Phosphorus	ppm	1005	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	39	---	---	---

**Depot:** DUNBEL  
**Unique No:** 10765410  
**Signed:** Jonathan Hester  
**Report Date:** 04 Dec 2023



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## GRAPHS

