



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352892 - DIESEL ENGINE



**Sample No:** VCP424890  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP424890	VCP150352	---	---
Sample Date	09 Jul 2024	17 Feb 2022	---	---
Machine Hours	2789	477	---	---
Oil Hours	485	477	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	10.6	---	---
Base Number (BN)	mg KOH/g	█ 8.3	█ 7.6	---	---
Oxidation (PA)	%	47	63	---	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.  
 All component wear rates are normal. 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 suitable for further service.



### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.3	---	---
Nitration (PA)	%	58	85	---	---
Sulfation (PA)	%	49	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.2	---	---
Silicon	ppm	█ 4	█ 37	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ <1	█ 0	---	---



### WEAR METALS

Iron	ppm	█ 11	█ 35	---	---
Copper	ppm	█ 13	█ 23	---	---
Lead	ppm	█ 0	█ 4	---	---
Tin	ppm	█ 0	█ 5	---	---
Aluminum	ppm	█ 2	█ 3	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 43	█ 79	---	---
Nickel	ppm	█ 1	█ 6	---	---
Titanium	ppm	█ <1	<1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	2	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 1665	█ 2195	---	---
Magnesium	ppm	█ 640	█ 89	---	---
Zinc	ppm	█ 1238	█ 1128	---	---
Phosphorus	ppm	█ 1043	█ 1053	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 8	█ 57	---	---

**Depot:** GLOPLE  
**Unique No:** 11126343  
**Signed:** Wes Davis  
**Report Date:** 17 Jul 2024



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## GRAPHS

