



# CONSTRUCTION EQUIPMENT

W02007468 VOLVO A45G 352364 - DIESEL ENGINE



**Sample No:** VCP418760  
**Oil Type:** MOBIL 15W40  
**Job No:** W02007468



## SAMPLE INFORMATION

Sample Number	VCP418760	VCP397801	---	---
Sample Date	28 Aug 2023	27 Apr 2023	---	---
Machine Hours	4016	3473	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	▲ 11.2	---	---
Base Number (BN)	mg KOH/g	█ 7.9	█ 8.4	---	---
Oxidation (PA)	%	71	76	---	---

## Diagnosis

Resample at the next service interval to monitor. 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 acceptable for the time in service.



## CONTAMINATION

Soot %	%	█ 0.4	█ 0.3	---	---
Nitration (PA)	%	75	61	---	---
Sulfation (PA)	%	64	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.3	---	---
Silicon	ppm	█ 5	█ 4	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 2	█ <1	---	---



## WEAR METALS

Iron	ppm	█ 9	█ 10	---	---
Copper	ppm	█ 3	█ 9	---	---
Lead	ppm	█ 1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 112	█ 41	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 1777	█ 1726	---	---
Magnesium	ppm	█ 652	█ 529	---	---
Zinc	ppm	█ 978	█ 938	---	---
Phosphorus	ppm	█ 794	█ 787	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 222	█ 51	---	---

**Depot:** VOLVO0002  
**Unique No:** 10631070  
**Signed:** Sean Felton  
**Report Date:** 05 Sep 2023



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## GRAPHS

