



# CONSTRUCTION EQUIPMENT

SPM647551-10 VOLVO A45G 342683 - DIESEL ENGINE



**Sample No:** VCP436138  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** SPM647551-10



**ALTA EQUIPMENT COMPANY**  
8750 PHILIPS HWY  
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## SAMPLE INFORMATION

Sample Number	VCP436138	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	4750	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	79	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 46	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 1606	---	---	---
Magnesium	ppm	█ 557	---	---	---
Zinc	ppm	█ 1153	---	---	---
Phosphorus	ppm	█ 921	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 12	---	---	---

## 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.

**Depot:** VOLVO0092  
**Unique No:** 10830446  
**Signed:** Wes Davis  
**Report Date:** 12 Jan 2024



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## GRAPHS

