



# CONSTRUCTION EQUIPMENT

715875 MOSAIC VOLVO A40G 752332 - DIESEL ENGINE



**Sample No:** VCP445566  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 715875 MOSAIC



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## SAMPLE INFORMATION

Sample Number	VCP445566	---	---	---
Sample Date	14 May 2024	---	---	---
Machine Hours	667	---	---	---
Oil Hours	667	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	● 10.7	---	---	---
Base Number (BN)	mg KOH/g	■ 5.7	---	---	---
Oxidation (PA)	%	56	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 26	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 263	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 83	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 2331	---	---	---
Magnesium	ppm	28	---	---	---
Zinc	ppm	■ 1182	---	---	---
Phosphorus	ppm	■ 1024	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 35	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 11071686  
**Signed:** Jonathan Hester  
**Report Date:** 13 Jun 2024



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## GRAPHS

