



# CONSTRUCTION EQUIPMENT

## 24576 VOLVO L60 623254 - DIESEL ENGINE



**Sample No:** VCP429274  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 24576



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### SAMPLE INFORMATION

Sample Number	VCP429274	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	783	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



### OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	78	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



### WEAR METALS

Iron	ppm	█ 57	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 14	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 1468	---	---	---
Magnesium	ppm	█ 552	---	---	---
Zinc	ppm	█ 1078	---	---	---
Phosphorus	ppm	█ 864	---	---	---
Barium	ppm	16	---	---	---
Boron	ppm	█ 35	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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:** VOLVO3387  
**Unique No:** 10782873  
**Signed:** Wes Davis  
**Report Date:** 14 Dec 2023



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## GRAPHS

