



# CONSTRUCTION EQUIPMENT

## 529295 STANDARD STEE VOLVO L250H 1232 - DIESEL ENGINE



**Sample No:** VCP443717  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 529295 STANDARD STEE



### SAMPLE INFORMATION

Sample Number	VCP443717	VCP356412	---	---
Sample Date	15 Apr 2024	06 Apr 2022	---	---
Machine Hours	11667	8648	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	● 11.7	■ 12.7	---	---
Base Number (BN)	mg KOH/g	■ 7.5	■ 8.0	---	---
Oxidation (PA)	%	55	63	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. 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.



### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.2	■ 0.2	---	---
Nitration (PA)	%	63	67	---	---
Sulfation (PA)	%	52	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	■ 0.5	<1.0	---	---
Silicon	ppm	■ 12	■ 5	---	---
Sodium	ppm	■ 2	■ 2	---	---
Potassium	ppm	■ 2	■ 1	---	---



### WEAR METALS

Iron	ppm	■ 13	■ 6	---	---
Copper	ppm	■ 4	■ 12	---	---
Lead	ppm	■ 5	■ 1	---	---
Tin	ppm	■ 2	■ <1	---	---
Aluminum	ppm	■ 3	■ 2	---	---
Chromium	ppm	■ 2	■ <1	---	---
Molybdenum	ppm	■ 78	■ 55	---	---
Nickel	ppm	■ 3	■ 3	---	---
Titanium	ppm	<1	8	---	---
Silver	ppm	■ <1	0	---	---
Manganese	ppm	■ 2	■ <1	---	---
Vanadium	ppm	<1	<1	---	---



### ADDITIVES

Calcium	ppm	■ 1425	■ 1284	---	---
Magnesium	ppm	■ 1180	974	---	---
Zinc	ppm	■ 1657	■ 1425	---	---
Phosphorus	ppm	■ 1498	■ 1112	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 4	■ 18	---	---

**Depot:** VOLVO0093  
**Unique No:** 10982937  
**Signed:** Jonathan Hester  
**Report Date:** 25 Apr 2024



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## GRAPHS

