



# CONSTRUCTION EQUIPMENT

10213 MES CAP HTS VOLVO L150H 7249 - DIESEL ENGINE



**Sample No:** VCP435512  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 10213 MES CAP HTS



## SAMPLE INFORMATION

Sample Number	VCP435512	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	697	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE**  
 4601 WASHINGTON BOULEVARD  
 BALTIMORE, MD  
 US 21227  
 Contact: MARK CIULLA  
 mciulla@mcclung-logan.com  
 T: (410)242-6500  
 F: (410)242-7835



## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 5.1	---	---	---
Oxidation (PA)	%	60	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.4	---	---	---
Silicon	ppm	■ 30	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 4	---	---	---



## WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	▲ 275	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 84	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 2061	---	---	---
Magnesium	ppm	48	---	---	---
Zinc	ppm	■ 1217	---	---	---
Phosphorus	ppm	■ 1031	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 59	---	---	---

**Depot:** VOLVO0150  
**Unique No:** 10834660  
**Signed:** Angela Borella  
**Report Date:** 24 Jan 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

