



# CONSTRUCTION EQUIPMENT

## A68736 VOLVO EC140BLC 12234 - DIESEL ENGINE



**Sample No:** VCP437237  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** A68736



### SAMPLE INFORMATION

Sample Number	VCP437237	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	5557	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**CHADWICK-BAROSS INC MAIN**  
 PO BOX 4500  
 WESTBROOK, ME  
 US 04098  
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### OIL CONDITION

Visc @ 100°C	cSt	█ 16.0	---	---	---
Base Number (BN)	mg KOH/g	█ 5.0	---	---	---
Oxidation (PA)	%	79	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. All component wear rates are normal. Light concentration of carbon/soot present in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	▲ 3.8	---	---	---
Nitration (PA)	%	103	---	---	---
Sulfation (PA)	%	81	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ 0	---	---	---



### WEAR METALS

Iron	ppm	█ 80	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 48	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 2057	---	---	---
Magnesium	ppm	█ 433	---	---	---
Zinc	ppm	█ 1349	---	---	---
Phosphorus	ppm	█ 1088	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 69	---	---	---

**Depot:** VOLVO0006  
**Unique No:** 11003238  
**Signed:** Wes Davis  
**Report Date:** 30 Apr 2024



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## GRAPHS

