



# CONSTRUCTION EQUIPMENT

7128 HR LANCASTER OI VOLVO ECR235EL 315392 - DIESEL ENGINE



**Sample No:** VCP449169  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 7128 HR LANCASTER OI



## SAMPLE INFORMATION

Sample Number	VCP449169	---	---	---
Sample Date	11 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**HIGHWAY EQUIPMENT & SUPPLY CO MAIN**  
 PO BOX 1957  
 HARRISBURG, PA  
 US 17105  
 Contact: CHAD HERRON



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	81	---	---	---

T: 7(175)643-3031  
 F: (717)564-3568

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Test for glycol is negative. 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.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 43	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 1600	---	---	---
Magnesium	ppm	█ 478	---	---	---
Zinc	ppm	█ 1133	---	---	---
Phosphorus	ppm	█ 887	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 43	---	---	---

**Depot:** VOLVO0025  
**Unique No:** 11083876  
**Signed:** Jonathan Hester  
**Report Date:** 21 Jun 2024



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## GRAPHS

