



# CONSTRUCTION EQUIPMENT

X13164 ENVIRO VOLVO EC250DLR 210254 - DIESEL ENGINE



**Sample No:** VCE212600  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** X13164 ENVIRO



**SCOTT EQUIPMENT COMPANY LLC - Broussard**  
100 IDA ROAD  
BROUSSARD, LA  
US 70518  
Contact: ADAM FEIRMAN  
afeirman@scottcompanies.com  
T: (337)837-2907  
F: (337)837-5116



## SAMPLE INFORMATION

Sample Number	VCE212600	---	---	---
Sample Date	18 Jul 2023	---	---	---
Machine Hours	8674	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	86	---	---	---



## CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	69	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 13	---	---	---



## WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 100	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 2075	---	---	---
Magnesium	ppm	█ 563	---	---	---
Zinc	ppm	█ 1133	---	---	---
Phosphorus	ppm	█ 918	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 264	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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:** VOLVO6241  
**Unique No:** 10566086  
**Signed:** Wes Davis  
**Report Date:** 24 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

