



# CONSTRUCTION EQUIPMENT

8000397962 VOLVO EC290BLC 13115 - DIESEL ENGINE



**Sample No:** VCP450438  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 8000397962



## SAMPLE INFORMATION

Sample Number	VCP450438	---	---	---
Sample Date	19 Mar 2024	---	---	---
Machine Hours	12990	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Oxidation (PA)	%	63	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	42	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	▲ 0.048	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	▲ 6	---	---	---



## WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1960	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	█ 1007	---	---	---
Phosphorus	ppm	█ 884	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	170	---	---	---

### Diagnosis

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. Test for glycol is positive. There is a moderate concentration of glycol present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO9652  
**Unique No:** 5749263  
**Signed:** Kevin Marson  
**Report Date:** 25 Mar 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

