



# CONSTRUCTION EQUIPMENT

305087 VOLVO EC380E 311590 - DIESEL ENGINE



**Sample No:** VCP222692  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 305087



**STRONGCO EQUIPMENT-EDMONTON**  
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## SAMPLE INFORMATION

Sample Number	VCP222692	---	---	---
Sample Date	12 Nov 2021	---	---	---
Machine Hours	3312	---	---	---
Oil Hours	303	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Oxidation (PA)	%	█ 82	---	---	---

## CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 62	---	---	---
Sulfation (PA)	%	█ 64	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ 1	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---

## WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 37	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1651	---	---	---
Magnesium	ppm	█ 477	---	---	---
Zinc	ppm	█ 1096	---	---	---
Phosphorus	ppm	█ 972	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 55	---	---	---

## Diagnosis

Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO3908  
**Unique No:** 5331470  
**Signed:** Wes Davis  
**Report Date:** 24 Dec 2021



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## GRAPHS

