



# CONSTRUCTION EQUIPMENT

283355 VOLVO EC380E 314187 - DIESEL ENGINE



**Sample No:** VCP275391  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 283355



**STRONGCO EQUIPMENT--CALGARY**  
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## SAMPLE INFORMATION

Sample Number	VCP275391	---	---	---
Sample Date	07 May 2021	---	---	---
Machine Hours	375	---	---	---
Oil Hours	375	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Oxidation (PA)	%	█ 53	---	---	---

## CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 61	---	---	---
Sulfation (PA)	%	█ 53	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	█ 0.4	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---

## WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 258	---	---	---
Lead	ppm	█ 8	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 10	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	█ 0	---	---	---

## ADDITIVES

Calcium	ppm	█ 2208	---	---	---
Magnesium	ppm	█ 95	---	---	---
Zinc	ppm	█ 1056	---	---	---
Phosphorus	ppm	█ 902	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 7	---	---	---

## Diagnosis

Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a components first oil change. Fuel content negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO3909  
**Unique No:** 5215433  
**Signed:** Kevin Marson  
**Report Date:** 12 May 2021



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## GRAPHS

