



# CONSTRUCTION EQUIPMENT

W125703 VOLVO EC380E 311723 - DIESEL ENGINE



**Sample No:** VCP303192  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** W125703



## SAMPLE INFORMATION

Sample Number	<b>VCP303192</b>	VCP275573	---	---
Sample Date	<b>13 May 2021</b>	26 Mar 2020	---	---
Machine Hours	<b>2298</b>	522	---	---
Oil Hours	<b>250</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	ABNORMAL	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
 Contact: JIM STRIGLE  
 JIM.STRIGLE@ALTG.COM  
 T: (315)437-2611  
 F: (315)434-9471



## OIL CONDITION

Visc @ 100°C	cSt	<b>12.1</b>	█ 12.4	---	---
Oxidation (PA)	%	<b>78</b>	63	---	---



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Soot %	%	█ <b>0.1</b>	█ 0.1	---	---
Nitration (PA)	%	<b>64</b>	58	---	---
Sulfation (PA)	%	<b>62</b>	54	---	---
Glycol	%	<b>NEG</b>	NEG	---	---
Fuel	%	█ <b>1.3</b>	<1.0	---	---
Silicon	ppm	█ <b>4</b>	█ 25	---	---
Sodium	ppm	█ <b>3</b>	█ 4	---	---
Potassium	ppm	█ <b>2</b>	█ 8	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	█ <b>4</b>	█ 17	---	---
Copper	ppm	█ <b>1</b>	▲ 377	---	---
Lead	ppm	█ <b>&lt;1</b>	█ 1	---	---
Tin	ppm	█ <b>&lt;1</b>	█ 0	---	---
Aluminum	ppm	█ <b>1</b>	█ 2	---	---
Chromium	ppm	█ <b>&lt;1</b>	█ <1	---	---
Molybdenum	ppm	█ <b>26</b>	█ 11	---	---
Nickel	ppm	█ <b>&lt;1</b>	█ <1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	█ <b>&lt;1</b>	█ 3	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	█ <b>1783</b>	█ 2467	---	---
Magnesium	ppm	█ <b>289</b>	85	---	---
Zinc	ppm	█ <b>1084</b>	█ 1164	---	---
Phosphorus	ppm	█ <b>876</b>	█ 982	---	---
Barium	ppm	█ <b>0</b>	█ 0	---	---
Boron	ppm	<b>92</b>	█ 6	---	---

**Depot:** VOLVO0142  
**Unique No:** 9516108  
**Signed:** Jonathan Hester  
**Report Date:** 27 May 2021



# CONSTRUCTION EQUIPMENT



## GRAPHS

