



# CONSTRUCTION EQUIPMENT

## VOLVO EC480E 310415 - DIESEL ENGINE



**Sample No:** VCE225015  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCE225015	---	---	---
Sample Date	05 Apr 2017	---	---	---
Machine Hours	524	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### STRONGCO EQUIPMENT

6171 COLONEL TALBOT ROAD  
 LONDON, ON  
 CA N6P 1J2  
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### OIL CONDITION

Visc @ 40°C	cSt	87.5	---	---	---
Visc @ 100°C	cSt	12.5	---	---	---
Viscosity Index (VI)	Scale	139	---	---	---
Oxidation (PA)	%	63	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the component. Viscosity of sample indicates oil is within SAE 10W30 range, advise investigate. The condition of the oil is acceptable for the time in service.



### CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	0.0	---	---	---
Silicon	ppm	26	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---



### WEAR METALS

Iron	ppm	15	---	---	---
Copper	ppm	580	---	---	---
Lead	ppm	18	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	9	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	2084	---	---	---
Magnesium	ppm	149	---	---	---
Zinc	ppm	1106	---	---	---
Phosphorus	ppm	897	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	5	---	---	---

**Depot:** SHELON  
**Unique No:** 4485890  
**Signed:** Kevin Marson  
**Report Date:** 20 Apr 2017



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## GRAPHS

