



# CONSTRUCTION EQUIPMENT

## W124640 VOLVO EC460 11065 - DIESEL ENGINE



**Sample No:** VCP281190  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** W124640



### SAMPLE INFORMATION

Sample Number	<b>VCP281190</b>	VCP265871	VCP252672	VCP214343
Sample Date	<b>29 Sep 2020</b>	16 Dec 2019	16 Sep 2019	25 Jan 2019
Machine Hours	<b>14708</b>	9900	5156	9210
Oil Hours	<b>0</b>	0	0	250
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### ALTA EQUIPMENT

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 SYRACUSE, NY  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.7</b>	12.6	13.7	13.69
Oxidation (PA)	%	<b>84</b>	69	65	66



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.2</b>	0.2	0.2	0.2
Nitration (PA)	%	<b>54</b>	57	58	56
Sulfation (PA)	%	<b>64</b>	57	56	56
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	4	4	5
Sodium	ppm	<b>2</b>	4	6	3
Potassium	ppm	<b>0</b>	0	15	10

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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>3</b>	3	10	3
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	1	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>36</b>	23	5	3
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1625</b>	1536	2313	2271
Magnesium	ppm	<b>490</b>	503	43	18
Zinc	ppm	<b>908</b>	836	1141	1066
Phosphorus	ppm	<b>801</b>	720	912	962
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>51</b>	62	146	162

**Depot:** VOLVO0142  
**Unique No:** 9205499  
**Signed:** Wes Davis  
**Report Date:** 09 Oct 2020



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## VOLVO GRAPHS

