



# CONSTRUCTION EQUIPMENT

## VOLVO A25E 73007 - DIESEL ENGINE



**Sample No:** VC371869  
**Oil Type:** SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VC371869</b>	VCE110098	VCE170984	VCE169964
Sample Date	<b>11 Oct 2013</b>	13 Feb 2013	29 Oct 2012	07 Jun 2012
Machine Hours	<b>6738</b>	5608	5143	4613
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>15.34</b>	13.59	14.00	13.88
Oxidation (PA)	%	<b>52</b>	44	24	28



### CONTAMINATION

Soot %	%	<b>2.7</b>	1.3	0.3	1
Nitration (PA)	%	<b>67</b>	50	25	33
Sulfation (PA)	%	<b>58</b>	53	25	30
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	5	6	11
Sodium	ppm	<b>4</b>	12	8	5
Potassium	ppm	<b>2</b>	2	0	0

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>33</b>	20	7	24
Copper	ppm	<b>2</b>	2	<1	22
Lead	ppm	<b>&lt;1</b>	2	<1	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	2	2	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>18</b>	9	43	31
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1757</b>	2274	1292	1638
Magnesium	ppm	<b>313</b>	127	785	621
Zinc	ppm	<b>1054</b>	1160	972	1186
Phosphorus	ppm	<b>938</b>	969	896	1044
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>8</b>	26	47	8

**Depot:** VOLVO0228  
**Unique No:** 6432062  
**Signed:** Elizabeth Valachovic  
**Report Date:** 05 Nov 2013



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## GRAPHS

