



# CONSTRUCTION EQUIPMENT

## VOLVO A25E 73007 - REAR LEFT FINAL DRIVE



**Sample No:** VCE229274  
**Oil Type:** SAE 85W140  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCE229274</b>	VCE138017	VCE090379	---
Sample Date	<b>11 Oct 2013</b>	07 Jun 2012	25 Feb 2011	---
Machine Hours	<b>6738</b>	4613	2191	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	N/A	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>334.0</b>	347.6	137.9	---
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### CONTAMINATION

Silicon	ppm	<b>84</b>	87	5	---
Sodium	ppm	<b>2</b>	2	2	---
Potassium	ppm	<b>2</b>	6	<1	---



### WEAR METALS

Iron	ppm	<b>237</b>	195	358	---
Copper	ppm	<b>45</b>	27	23	---
Lead	ppm	<b>&lt;1</b>	0	<1	---
Tin	ppm	<b>2</b>	0	1	---
Aluminum	ppm	<b>11</b>	17	<1	---
Chromium	ppm	<b>2</b>	2	7	---
Molybdenum	ppm	<b>0</b>	<1	0	---
Nickel	ppm	<b>2</b>	3	4	---
Titanium	ppm	<b>&lt;1</b>	1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	2	8	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>12</b>	24	40	---
Magnesium	ppm	<b>12</b>	32	661	---
Zinc	ppm	<b>10</b>	27	30	---
Phosphorus	ppm	<b>823</b>	458	1231	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>194</b>	68	339	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0228  
**Unique No:** 6432105  
**Signed:** Elizabeth Valachovic  
**Report Date:** 05 Nov 2013



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## GRAPHS

