



CONSTRUCTION EQUIPMENT

VOLVO A25E 73007 - BOGIE/CENTER RIGHT FINAL DRIVE



Sample No: VCE229276
Oil Type: SAE 85W140
Job No:



SAMPLE INFORMATION

Sample Number	VCE229276	VCE169963	VCE110081	---
Sample Date	11 Oct 2013	07 Jun 2012	25 Feb 2011	---
Machine Hours	6738	4613	2191	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	SEVERE	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	284.0	320.3	84.09	---
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CONTAMINATION

Silicon	ppm	196	476	11	---
Sodium	ppm	3	7	2	---
Potassium	ppm	6	19	<1	---



WEAR METALS

Iron	ppm	384	419	443	---
Copper	ppm	163	124	48	---
Lead	ppm	<1	0	<1	---
Tin	ppm	9	0	3	---
Aluminum	ppm	29	71	1	---
Chromium	ppm	4	4	8	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	4	6	7	---
Titanium	ppm	2	4	2	---
Silver	ppm	0	<1	0	---
Manganese	ppm	5	4	12	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	10	25	26	---
Magnesium	ppm	10	58	890	---
Zinc	ppm	15	37	16	---
Phosphorus	ppm	699	413	1611	---
Barium	ppm	0	0	0	---
Boron	ppm	137	73	449	---

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. We recommend an early resample to monitor this condition. The copper level is abnormal. All other component wear rates are normal. 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: 6432101
Signed: Elizabeth Valachovic
Report Date: 05 Nov 2013



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GRAPHS

