



CONSTRUCTION EQUIPMENT

VOLVO A25E 73007 - FRONT LEFT FINAL DRIVE



Sample No: VCE227814
Oil Type: SAE 85W140
Job No:



SAMPLE INFORMATION

Sample Number	VCE227814	VCE169967	VCE090382	---
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	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	268.0	345.2	115.1	---
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CONTAMINATION

Silicon	ppm	38	40	4	---
Sodium	ppm	<1	2	2	---
Potassium	ppm	2	4	<1	---



WEAR METALS

Iron	ppm	217	318	442	---
Copper	ppm	23	28	43	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	2	---
Aluminum	ppm	3	7	<1	---
Chromium	ppm	2	6	8	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	2	4	7	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	1	0	---
Manganese	ppm	2	6	10	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	8	58	50	---
Magnesium	ppm	7	114	560	---
Zinc	ppm	8	52	80	---
Phosphorus	ppm	700	424	1113	---
Barium	ppm	0	0	0	---
Boron	ppm	149	56	278	---

Diagnosis

We suspect abnormal metal contamination may be due to sampling method. 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 no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0228
Unique No: 6432104
Signed: Elizabeth Valachovic
Report Date: 05 Nov 2013



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GRAPHS

