



CONSTRUCTION EQUIPMENT

VOLVO A25E 73007 - REAR AXLE



Sample No: VC371879
Oil Type: SAE 85W140
Job No:



SAMPLE INFORMATION

Sample Number	VC371879	VCE138018	VCE110102	---
Sample Date	11 Oct 2013	07 Jun 2012	25 Feb 2011	---
Machine Hours	6738	4613	2191	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	316.5	346.6	93.61	---
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CONTAMINATION

Silicon	ppm	143	188	6	---
Sodium	ppm	2	4	1	---
Potassium	ppm	3	8	4	---



WEAR METALS

Iron	ppm	568	628	276	---
Copper	ppm	52	44	31	---
Lead	ppm	0	0	<1	---
Tin	ppm	3	0	2	---
Aluminum	ppm	14	27	<1	---
Chromium	ppm	5	9	5	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	4	6	4	---
Titanium	ppm	2	3	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	8	8	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	8	60	25	---
Magnesium	ppm	7	72	832	---
Zinc	ppm	7	49	16	---
Phosphorus	ppm	875	413	1437	---
Barium	ppm	0	0	<1	---
Boron	ppm	196	31	461	---

Diagnosis

We suspect abnormal contamination may be due to sampling method. We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0228
Unique No: 6432090
Signed: Elizabeth Valachovic
Report Date: 05 Nov 2013



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GRAPHS

