



CONSTRUCTION EQUIPMENT

VOLVO A25E 73007 - REAR RIGHT FINAL DRIVE



Sample No: VCE229285
Oil Type: SAE 85W140
Job No:



SAMPLE INFORMATION

Sample Number	VCE229285	VCE229294	VCE169984	VCE110111
Sample Date	11 Oct 2013	10 Oct 2013	07 Jun 2012	25 Feb 2011
Machine Hours	6738	6738	4613	2191
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	220.0	276.0	324.9	96.29
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CONTAMINATION

Silicon	ppm	79	38	116	6
Sodium	ppm	<1	1	2	3
Potassium	ppm	2	2	8	2



WEAR METALS

Iron	ppm	306	230	316	425
Copper	ppm	28	25	30	35
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	1	0	1
Aluminum	ppm	8	3	20	<1
Chromium	ppm	3	2	4	8
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	2	2	4	5
Titanium	ppm	<1	<1	2	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	4	11
Vanadium	ppm	<1	<1	0	<1



ADDITIVES

Calcium	ppm	9	8	32	24
Magnesium	ppm	7	8	42	937
Zinc	ppm	8	7	33	17
Phosphorus	ppm	621	712	403	1606
Barium	ppm	0	0	0	<1
Boron	ppm	116	159	45	491

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0228
Unique No: 6432110
Signed: Elizabeth Valachovic
Report Date: 05 Nov 2013



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GRAPHS

