



CONSTRUCTION EQUIPMENT

VOLVO A25E 73007 - TRANSMISSION (AUTO)



Sample No: VCE229278
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCE229278	VCE199824	VCE191259	VCE169983
Sample Date	11 Oct 2013	27 Aug 2013	13 Feb 2013	07 Jun 2012
Machine Hours	6738	6633	5608	4613
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	25.58	23.96	29.1	24.49
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CONTAMINATION

Silicon	ppm	3	3	6	2
Sodium	ppm	6	2	2	2
Potassium	ppm	<1	<1	5	2



WEAR METALS

Iron	ppm	24	28	15	51
Copper	ppm	448	331	246	338
Lead	ppm	3	1	2	5
Tin	ppm	17	12	11	14
Aluminum	ppm	6	10	9	9
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	188	79	64	61
Magnesium	ppm	0	0	1	<1
Zinc	ppm	15	4	6	8
Phosphorus	ppm	200	227	189	206
Barium	ppm	0	0	<1	0
Boron	ppm	67	89	94	80

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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: 6432084
Signed: Jonathan Hester
Report Date: 06 Nov 2013



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VOLVO GRAPHS

