



CONSTRUCTION EQUIPMENT

D38062 KISSER STONE VOLVO L70F 25677 - TRANSMISSION (AUTO)



Sample No: VCP360806
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: D38062 KISSER STONE



SAMPLE INFORMATION

Sample Number	VCP360806	VCE108560	VCE087088	VCE082851
Sample Date	05 Oct 2023	23 May 2011	16 Feb 2011	13 Dec 2010
Machine Hours	13939	2085	1510	1072
Oil Hours	0	2085	449	1071
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	▲ 42.1	■ 29.25	■ 30.28	78.51
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CONTAMINATION

Silicon	ppm	■ 8	■ 10	■ 13	■ 15
Sodium	ppm	■ <1	■ 5	■ 5	■ 6
Potassium	ppm	■ 2	■ 0	■ 1	■ <1

Diagnosis

No corrective action is recommended at this time. The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.



WEAR METALS

Iron	ppm	■ 32	▲ 122	▲ 133	▲ 142
Copper	ppm	■ 7	■ 4	■ 4	■ 4
Lead	ppm	■ 2	■ 4	■ 1	■ 1
Tin	ppm	■ <1	■ <1	■ <1	■ 0
Aluminum	ppm	■ 1	■ 6	■ 5	■ 4
Chromium	ppm	■ 0	■ <1	■ <1	■ <1
Molybdenum	ppm	▲ 21	■ 0	0	0
Nickel	ppm	■ <1	■ 1	■ <1	■ <1
Titanium	ppm	0	0	0	0
Silver	ppm	■ 0	0	0	0
Manganese	ppm	■ <1	■ 5	6	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 477	■ 149	164	211
Magnesium	ppm	▲ 365	■ <1	<1	0
Zinc	ppm	▲ 479	■ 47	54	54
Phosphorus	ppm	■ 553	■ 233	258	349
Barium	ppm	■ 0	■ 2	3	0
Boron	ppm	■ 54	■ 69	87	94

Depot: VOLVO0072
Unique No: 10685420
Signed: Jonathan Hester
Report Date: 11 Oct 2023



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VOLVO GRAPHS

