



CONSTRUCTION EQUIPMENT

VOLVO L220H 3440 - TRANSMISSION (AUTO)



Sample No: VCP432421
Oil Type: PENNZOIL DEXRON MERCON ATF FLUID
Job No:



SAMPLE INFORMATION

Sample Number	VCP432421	VCP404563	VCP404571	VCP415183
Sample Date	27 Jan 2024	08 Dec 2023	24 Oct 2023	05 Sep 2023
Machine Hours	7338	6478	5635	4714
Oil Hours	860	843	921	1038
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	22.7	26.0	25.9	26.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	11	2	3
Sodium	ppm	1	<1	3	2
Potassium	ppm	<1	0	0	1

Diagnosis

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 condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	33	40	37	49
Copper	ppm	<1	0	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	21	88	60	129
Magnesium	ppm	0	<1	0	6
Zinc	ppm	0	0	0	36
Phosphorus	ppm	239	246	166	261
Barium	ppm	0	0	0	0
Boron	ppm	139	111	102	105

Depot: COVWES
Unique No: 10861485
Signed: Jonathan Hester
Report Date: 07 Feb 2024

VOLVO **GRAPHS**

