



CONSTRUCTION EQUIPMENT

W14889 VOLVO L220H 2820 - TRANSMISSION (AUTO)



Sample No: VCP380820
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: W14889



SAMPLE INFORMATION

Sample Number	VCP380820	VCP410536	VCP402854	VCP382405
Sample Date	31 Oct 2023	15 Aug 2023	31 May 2023	07 Dec 2022
Machine Hours	9548	9046	8553	8016
Oil Hours	500	100	500	4000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.7	27.8	27.9	24.3
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CONTAMINATION

Silicon	ppm	3	3	3	4
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	1	2	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	66	64	56	138
Copper	ppm	3	4	2	9
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	4	4	8
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	4
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	74	83	87	79
Magnesium	ppm	1	5	4	<1
Zinc	ppm	12	4	16	0
Phosphorus	ppm	164	198	202	136
Barium	ppm	0	0	0	0
Boron	ppm	80	83	81	54

Depot: VOLVO0080
Unique No: 10728508
Signed: Sean Felton
Report Date: 08 Nov 2023



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VOLVO GRAPHS

