



CONSTRUCTION EQUIPMENT

W14606 VOLVO L220H 2893 - TRANSMISSION (AUTO)



Sample No: VCP404658
Oil Type: VOLVO AT 102
Job No: W14606



SAMPLE INFORMATION

Sample Number	VCP404658	VCP405879	VCP370685	VCP354848
Sample Date	24 Aug 2023	15 Jun 2023	16 Nov 2022	07 Jul 2022
Machine Hours	7499	7098	6485	6008
Oil Hours	0	1000	500	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	26.9	27.4	24.8	25.1
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CONTAMINATION

Silicon	ppm	4	2	3	3
Sodium	ppm	<1	2	2	2
Potassium	ppm	<1	2	0	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	123	96	80	66
Copper	ppm	6	4	4	4
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	1	2	1	1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	4	4	4	4
Nickel	ppm	0	1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	3	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	124	142	124	119
Magnesium	ppm	17	19	20	15
Zinc	ppm	42	44	31	32
Phosphorus	ppm	189	198	204	186
Barium	ppm	2	0	0	0
Boron	ppm	79	73	66	65

Depot: VOLVO0080
Unique No: 10633302
Signed: Wes Davis
Report Date: 06 Sep 2023



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GRAPHS

