



# CONSTRUCTION EQUIPMENT

## SWA350376-20 VOLVO L220H 2933 - TRANSMISSION (AUTO)



**Sample No:** VCP424076  
**Oil Type:** VOLVO AT 102  
**Job No:** SWA350376-20



### SAMPLE INFORMATION

Sample Number	<b>VCP424076</b>	VCP342764	VCP359948	VCP323591
Sample Date	<b>07 Sep 2023</b>	26 Aug 2022	15 Apr 2022	07 Oct 2021
Machine Hours	<b>9700</b>	4665	4205	3532
Oil Hours	<b>0</b>	500	2000	1500
Oil Changed	<b>Not Changd</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### DENALI WE CARE

400 TORNE RD  
 HILLBURN, NY  
 US 10931  
 Contact: Service Manager



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.8</b>	27.9	26.0	26.4
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T:  
F:



### CONTAMINATION

Silicon	ppm	<b>4</b>	4	5	6
Sodium	ppm	<b>3</b>	2	5	5
Potassium	ppm	<b>&lt;1</b>	0	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	<b>28</b>	21	63	53
Copper	ppm	<b>5</b>	6	10	32
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>1</b>	2	2	3
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>2</b>	1	4	3
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>79</b>	74	90	96
Magnesium	ppm	<b>0</b>	<1	0	<1
Zinc	ppm	<b>0</b>	9	19	20
Phosphorus	ppm	<b>199</b>	188	158	147
Barium	ppm	<b>0</b>	0	0	3
Boron	ppm	<b>86</b>	87	58	59

**Depot:** DENHIL  
**Unique No:** 10655645  
**Signed:** Wes Davis  
**Report Date:** 20 Sep 2023



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## VOLVO GRAPHS

