



# CONSTRUCTION EQUIPMENT

## W14603 VOLVO L220H 2884 - TRANSMISSION (AUTO)



**Sample No:** VCP374107  
**Oil Type:** VOLVO AT 102  
**Job No:** W14603



### SAMPLE INFORMATION

Sample Number	<b>VCP374107</b>	VCP405883	VCP398344	VCP384055
Sample Date	<b>31 Aug 2023</b>	02 Jun 2023	13 Feb 2023	05 Oct 2022
Machine Hours	<b>9538</b>	8994	8521	7990
Oil Hours	<b>500</b>	1000	500	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>28.0</b>	28.5	28.6	30.4
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### CONTAMINATION

Silicon	ppm	<b>3</b>	3	3	8
Sodium	ppm	<b>1</b>	2	3	2
Potassium	ppm	<b>0</b>	2	0	0



### WEAR METALS

Iron	ppm	<b>61</b>	46	38	121
Copper	ppm	<b>4</b>	3	3	10
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>2</b>	1	0	3
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	3	3	<1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	2	8
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>107</b>	111	104	112
Magnesium	ppm	<b>14</b>	14	12	17
Zinc	ppm	<b>21</b>	27	9	34
Phosphorus	ppm	<b>208</b>	212	202	180
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>85</b>	95	98	52

### 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.

**Depot:** VOLVO0080  
**Unique No:** 10635567  
**Signed:** Wes Davis  
**Report Date:** 08 Sep 2023



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## VOLVO GRAPHS

