



# CONSTRUCTION EQUIPMENT

## RA41 VOLVO L220H 2884 - TRANSMISSION (AUTO)



**Sample No:** VCP435378  
**Oil Type:** VOLVO AT 102  
**Job No:** RA41



### SAMPLE INFORMATION

Sample Number	<b>VCP435378</b>	VCP374107	VCP405883	VCP398344
Sample Date	<b>15 Nov 2023</b>	31 Aug 2023	02 Jun 2023	13 Feb 2023
Machine Hours	<b>10048</b>	9538	8994	8521
Oil Hours	<b>2000</b>	500	1000	500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**HOUSBY HEAVY EQUIPMENT, LLC**  
 4410 SE 4 MILE DR  
 ANKENY, IA  
 US 50021  
 Contact: RANDY VANDERLEEST  
 rvanderleest@housby.com  
 T:  
 F: (515)964-2865



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.2</b>	28.0	28.5	28.6
-------------	-----	-------------	------	------	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	3	3	3
Sodium	ppm	<b>2</b>	1	2	3
Potassium	ppm	<b>&lt;1</b>	0	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 fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>72</b>	61	46	38
Copper	ppm	<b>6</b>	4	3	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	2	1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	<1	3	3
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	2	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>139</b>	107	111	104
Magnesium	ppm	<b>7</b>	14	14	12
Zinc	ppm	<b>38</b>	21	27	9
Phosphorus	ppm	<b>198</b>	208	212	202
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>76</b>	85	95	98

**Depot:** VOLVO0080  
**Unique No:** 10753513  
**Signed:** Wes Davis  
**Report Date:** 22 Nov 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

