



# CONSTRUCTION EQUIPMENT

## SPM661220 VOLVO L180H 5412 - TRANSMISSION (AUTO)



**Sample No:** VCP442818  
**Oil Type:** VOLVO AT 102  
**Job No:** SPM661220



### SAMPLE INFORMATION

Sample Number	<b>VCP442818</b>	VCP396098	VCP303365	VCP343207
Sample Date	<b>07 Feb 2024</b>	01 Feb 2023	18 Jun 2022	08 Dec 2021
Machine Hours	<b>7046</b>	6657	4250	3605
Oil Hours	<b>0</b>	2000	0	1600
Oil Changed	<b>N/A</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**CALLANAN**  
 RT 32 677 FLATBUSH RD  
 EAST KINGSTON, NY  
 US 12401  
 Contact:



### OIL CONDITION

Visc @ 40°C	cSt	<b>26.3</b>	27.1	27.3	27.8
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T:  
F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	5	5	4
Sodium	ppm	<b>3</b>	3	5	3
Potassium	ppm	<b>0</b>	2	10	1

### 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>86</b>	38	37	20
Copper	ppm	<b>7</b>	6	4	3
Lead	ppm	<b>0</b>	<1	<1	1
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>0</b>	0	1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>2</b>	1	1	1
Vanadium	ppm	<b>0</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>51</b>	95	81	93
Magnesium	ppm	<b>1</b>	2	0	2
Zinc	ppm	<b>13</b>	11	9	13
Phosphorus	ppm	<b>180</b>	197	182	171
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>82</b>	74	54	90

**Depot:** CALEAS  
**Unique No:** 10873898  
**Signed:** Don Baldrige  
**Report Date:** 13 Feb 2024



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## GRAPHS

