



# CONSTRUCTION EQUIPMENT

## SWA392504 VOLVO L90F 68122 - TRANSMISSION (AUTO)



**Sample No:** VCP431182  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** SWA392504



### SAMPLE INFORMATION

Sample Number	<b>VCP431182</b>	VCP358506	VCP345124	VCP317583
Sample Date	<b>20 Oct 2023</b>	16 Mar 2022	07 Dec 2021	14 Oct 2021
Machine Hours	<b>22060</b>	25099	24475	20556
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Not Changd	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**EISS BROTHERS**  
 28250 NEW YORK 37  
 WATERTOWN, NY  
 US 13601  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>29.2</b>	28.5	27.0	26.5
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T: (315)629-4370  
 F:



### CONTAMINATION

Silicon	ppm	<b>3</b>	3	4	4
Sodium	ppm	<b>0</b>	3	3	3
Potassium	ppm	<b>2</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>20</b>	11	16	17
Copper	ppm	<b>&lt;1</b>	<1	2	1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	2	1
Chromium	ppm	<b>&lt;1</b>	0	<1	0
Molybdenum	ppm	<b>2</b>	1	1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>152</b>	114	122	109
Magnesium	ppm	<b>25</b>	13	14	7
Zinc	ppm	<b>60</b>	27	32	22
Phosphorus	ppm	<b>242</b>	203	198	178
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>98</b>	96	72	81

**Depot:** EISWAT  
**Unique No:** 10724419  
**Signed:** Don Baldrige  
**Report Date:** 03 Nov 2023



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## GRAPHS

