



# CONSTRUCTION EQUIPMENT

## 2523-1 VOLVO L90F 3199 - TRANSMISSION (AUTO)



**Sample No:** VCP407760  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 2523-1



### SAMPLE INFORMATION

Sample Number	<b>VCP407760</b>	VCP390161	VCP397858	VCP346493
Sample Date	<b>28 Jun 2023</b>	28 Mar 2023	13 Dec 2022	17 Feb 2022
Machine Hours	<b>16948</b>	16484	15806	13800
Oil Hours	<b>0</b>	0	0	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### MCCLUNG LOGAN

17941 SUSSEX HIGHWAY  
 BRIDGEVILLE, DE  
 US 19933

Contact: RANDY KING  
 rking@mcclung-logan.com  
 T: (302)337-3400  
 F: (302)337-9083



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.8</b>	27.3	26.4	26.8
-------------	-----	-------------	------	------	------



### CONTAMINATION

Silicon	ppm	<b>2</b>	2	2	2
Sodium	ppm	<b>3</b>	2	5	3
Potassium	ppm	<b>0</b>	<1	<1	0



### WEAR METALS

Iron	ppm	<b>3</b>	3	6	4
Copper	ppm	<b>1</b>	1	2	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	0
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</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>89</b>	82	101	104
Magnesium	ppm	<b>5</b>	4	2	0
Zinc	ppm	<b>21</b>	8	12	4
Phosphorus	ppm	<b>180</b>	182	171	199
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>89</b>	101	80	88

### 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:** VOLVO1023  
**Unique No:** 10548940  
**Signed:** Wes Davis  
**Report Date:** 10 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

