



# CONSTRUCTION EQUIPMENT

## A12797 VOLVO L110H 632014 - TRANSMISSION (AUTO)



**Sample No:** VCP439203  
**Oil Type:** MOBIL AT 102  
**Job No:** A12797



### SAMPLE INFORMATION

Sample Number	<b>VCP439203</b>	VCP404049	VCP365705	VCP358534
Sample Date	<b>05 Jun 2024</b>	04 Apr 2023	07 Nov 2022	25 May 2022
Machine Hours	<b>7800</b>	6860	5460	3951
Oil Hours	<b>2000</b>	2000	1000	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**HMR ASSOCIATES**  
 PO BOX 485  
 TOUGHKENAMON, PA  
 US 19374  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.4</b>	27.7	28.1	27.4
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T:  
 F: (610)268-2225



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	4	4	11
Sodium	ppm	<b>0</b>	<1	0	3
Potassium	ppm	<b>1</b>	<1	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>32</b>	15	16	52
Copper	ppm	<b>5</b>	2	3	9
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	<1	3
Chromium	ppm	<b>&lt;1</b>	0	0	<1
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	1
Manganese	ppm	<b>1</b>	1	1	5
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>69</b>	72	81	75
Magnesium	ppm	<b>3</b>	0	<1	<1
Zinc	ppm	<b>10</b>	<1	6	17
Phosphorus	ppm	<b>217</b>	195	199	178
Barium	ppm	<b>0</b>	0	0	5
Boron	ppm	<b>82</b>	78	86	77

**Depot:** HMRTOU  
**Unique No:** 11089086  
**Signed:** Wes Davis  
**Report Date:** 21 Jun 2024



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## VOLVO GRAPHS

