



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 625060 - TRANSMISSION (AUTO)



**Sample No:** VCP437045  
**Oil Type:** VOLVO AT 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP437045</b>	VCP426221	VCP326046	VCP300168
Sample Date	<b>27 Feb 2024</b>	25 Aug 2023	10 Sep 2021	11 Feb 2021
Machine Hours	<b>3331</b>	2836	0	914
Oil Hours	<b>0</b>	0	1500	914
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	MARGINAL	ABNORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>16.9</b>	16.6	16.3	16.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	15	13	12
Sodium	ppm	<b>7</b>	8	5	5
Potassium	ppm	<b>1</b>	3	0	2

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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>245</b>	224	159	132
Copper	ppm	<b>5</b>	8	7	6
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>8</b>	8	4	2
Chromium	ppm	<b>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>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>10</b>	9	8	8
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>76</b>	78	74	79
Magnesium	ppm	<b>2</b>	0	1	2
Zinc	ppm	<b>57</b>	24	48	43
Phosphorus	ppm	<b>145</b>	143	142	139
Barium	ppm	<b>1</b>	0	0	0
Boron	ppm	<b>26</b>	28	36	37

**Depot:** RIPTAM  
**Unique No:** 10996245  
**Signed:** Don Baldrige  
**Report Date:** 29 Apr 2024



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## VOLVO GRAPHS

