



# CONSTRUCTION EQUIPMENT

## 9992 WASTE CONNECT VOLVO L90G 617183 - FRONT AXLE



**Sample No:** VCP388510  
**Oil Type:** VOLVO WB 102  
**Job No:** 9992 WASTE CONNECT



### SAMPLE INFORMATION

Sample Number	<b>VCP388510</b>	VCP340116	VCP297242	VCP278242
Sample Date	<b>07 Dec 2023</b>	17 Feb 2022	02 Dec 2020	03 Oct 2020
Machine Hours	<b>28551</b>	24530	21161	20530
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE**  
 4601 WASHINGTON BOULEVARD  
 BALTIMORE, MD  
 US 21227  
 Contact: MARK CIULLA  
 mciulla@mcclung-logan.com  
 T: (410)242-6500  
 F: (410)242-7835



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.8</b>	43.8	42.4	43.5
-------------	-----	-------------	------	------	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	9	4	4
Sodium	ppm	<b>0</b>	5	<1	0
Potassium	ppm	<b>2</b>	<1	<1	<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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>8</b>	14	6	8
Copper	ppm	<b>0</b>	<1	<1	<1
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>1</b>	<1	0	0
Chromium	ppm	<b>0</b>	<1	<1	1
Molybdenum	ppm	<b>&lt;1</b>	4	6	4
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	<1	<1	<1
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>4230</b>	2421	2463	1530
Magnesium	ppm	<b>25</b>	48	39	32
Zinc	ppm	<b>1662</b>	1139	1068	789
Phosphorus	ppm	<b>1385</b>	949	957	681
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>141</b>	82	77	52

**Depot:** VOLVO0150  
**Unique No:** 10789026  
**Signed:** Wes Davis  
**Report Date:** 14 Dec 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

