



# CONSTRUCTION EQUIPMENT

## A12475 VOLVO L120G 30297 - REAR AXLE



**Sample No:** VCP439381  
**Oil Type:** MOBIL WB 102  
**Job No:** A12475



### SAMPLE INFORMATION

Sample Number	<b>VCP439381</b>	VCP348524	VCP257033	VCP228874
Sample Date	<b>17 Apr 2024</b>	31 Jan 2022	16 Oct 2019	11 May 2018
Machine Hours	<b>17040</b>	16450	15210	13880
Oil Hours	<b>1500</b>	1000	1000	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**WASTE MANAGEMENT - TELFORD**  
 400 PROGRESS DR  
 TELFORD, PA  
 US 18969-1191  
 Contact: EDWARD ROGENER  
 erogener@wm.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.7</b>	41.9	41.7	40.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	12	11	12
Sodium	ppm	<b>2</b>	0	2	2
Potassium	ppm	<b>&lt;1</b>	<1	4	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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>18</b>	13	8	22
Copper	ppm	<b>&lt;1</b>	0	0	<1
Lead	ppm	<b>1</b>	<1	0	0
Tin	ppm	<b>1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	<1



### ADDITIVES

Calcium	ppm	<b>3649</b>	3593	3822	4056
Magnesium	ppm	<b>15</b>	12	11	17
Zinc	ppm	<b>1533</b>	1375	1480	1688
Phosphorus	ppm	<b>1259</b>	1190	1070	1367
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>113</b>	137	109	118

**Depot:** WASTEL  
**Unique No:** 10991855  
**Signed:** Wes Davis  
**Report Date:** 23 Apr 2024



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## VOLVO GRAPHS

