



# CONSTRUCTION EQUIPMENT

## 280 VOLVO L90H 623125 - REAR AXLE



**Sample No:** VCP295344  
**Oil Type:** MOBIL WB 102  
**Job No:** 280



### SAMPLE INFORMATION

Sample Number	<b>VCP295344</b>	VCP318879	VCP285051	VCP227072
Sample Date	<b>21 Jul 2023</b>	13 Dec 2021	27 Jul 2020	09 Jul 2019
Machine Hours	<b>11322</b>	8650	6515	4743
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	N/A	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**VCES- VOLVO CONSTRUCTION EQUIPMENT**  
 12345 MAPLEVIEW STREET  
 LAKESIDE, CA  
 US 92040  
 Contact: Mark Stewart  
 mark.stewart@vcesvolvo.com  
 T: X  
 F: X



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.1</b>	40.5	39.5	41.1
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### CONTAMINATION

Silicon	ppm	<b>8</b>	11	11	16
Sodium	ppm	<b>8</b>	0	6	2
Potassium	ppm	<b>0</b>	0	2	0



### WEAR METALS

Iron	ppm	<b>13</b>	32	36	87
Copper	ppm	<b>3</b>	3	4	17
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	<1	2
Aluminum	ppm	<b>1</b>	2	0	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3277</b>	4053	3753	3960
Magnesium	ppm	<b>13</b>	13	10	13
Zinc	ppm	<b>1506</b>	1529	1547	1429
Phosphorus	ppm	<b>1247</b>	1351	1250	1295
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>102</b>	145	170	116

### 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.

**Depot:** VOLVO4488  
**Unique No:** 10585704  
**Signed:** Wes Davis  
**Report Date:** 03 Aug 2023



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## GRAPHS

