



# CONSTRUCTION EQUIPMENT

W0330029 IAA VOLVO L90G 3867 - REAR AXLE



**Sample No:** VCP424795  
**Oil Type:** VOLVO WB 102  
**Job No:** W0330029 IAA



## SAMPLE INFORMATION

Sample Number	<b>VCP424795</b>	VCP203713	VCP206850	VCP198314
Sample Date	<b>02 Apr 2024</b>	14 Nov 2017	05 May 2017	03 Aug 2016
Machine Hours	<b>22347</b>	10653	9221	7186
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>47.6</b>	41.28	42.73	42.15
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	15	13	14
Sodium	ppm	<b>2</b>	2	3	5
Potassium	ppm	<b>2</b>	0	0	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>27</b>	22	36	50
Copper	ppm	<b>3</b>	<1	2	5
Lead	ppm	<b>&lt;1</b>	<1	2	<1
Tin	ppm	<b>1</b>	0	3	1
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>1</b>	<1	<1	<1
Molybdenum	ppm	<b>10</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1742</b>	3905	4067	3816
Magnesium	ppm	<b>52</b>	11	17	16
Zinc	ppm	<b>948</b>	1583	1545	1574
Phosphorus	ppm	<b>811</b>	1192	1284	1352
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>19</b>	117	114	119

**Depot:** VOLVO0170  
**Unique No:** 10968202  
**Signed:** Jonathan Hester  
**Report Date:** 12 Apr 2024



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## VOLVO GRAPHS

