



# CONSTRUCTION EQUIPMENT

## SW1022819 MGC VOLVO L110H 631286 - FRONT AXLE



**Sample No:** VCP414448  
**Oil Type:** VOLVO WB 102  
**Job No:** SW1022819 MGC



### SAMPLE INFORMATION

Sample Number	<b>VCP414448</b>	VCP359856	VCP308563	VCP267092
Sample Date	<b>24 Aug 2023</b>	18 May 2022	16 Apr 2021	07 Apr 2020
Machine Hours	<b>4459</b>	3940	3421	2937
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ARNOLD MACHINERY COMPANY**  
 4323 EAST WINSLOW AVENUE  
 PHOENIX, AZ  
 US 85040  
 Contact: RANDY PRZEKURAT  
 randyp@arnoldmachinery.com  
 T:  
 F: (602)414-1904



### OIL CONDITION

Visc @ 40°C	cSt	<b>40.1</b>	40.1	40.1	39.9
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### CONTAMINATION

Silicon	ppm	<b>13</b>	10	9	13
Sodium	ppm	<b>3</b>	6	6	6
Potassium	ppm	<b>1</b>	0	1	0



### WEAR METALS

Iron	ppm	<b>88</b>	54	50	122
Copper	ppm	<b>2</b>	2	1	1
Lead	ppm	<b>0</b>	1	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>1</b>	<1	0	<1
Chromium	ppm	<b>1</b>	<1	<1	2
Molybdenum	ppm	<b>1</b>	1	<1	1
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>2</b>	1	1	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3914</b>	4063	4058	4544
Magnesium	ppm	<b>15</b>	20	17	13
Zinc	ppm	<b>1557</b>	1659	1556	1727
Phosphorus	ppm	<b>1261</b>	1362	1307	1368
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>135</b>	127	134	118

### 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:** VOLVO6174  
**Unique No:** 10631009  
**Signed:** Wes Davis  
**Report Date:** 01 Sep 2023



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## VOLVO GRAPHS

