



# CONSTRUCTION EQUIPMENT

SWA303245-20 VOLVO L110H 631591 - FRONT AXLE



**Sample No:** VCP407701  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA303245-20



## SAMPLE INFORMATION

Sample Number	<b>VCP407701</b>	VCP409643	VCP374130	VCP342758
Sample Date	<b>28 Jul 2023</b>	27 Feb 2023	06 Jun 2022	21 Feb 2022
Machine Hours	<b>7541</b>	6936	5936	5432
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**DENALI WE CARE**  
 400 TORNE RD  
 HILLBURN, NY  
 US 10931  
 Contact: Service Manager



## OIL CONDITION

Visc @ 40°C	cSt	<b>43.5</b>	42.4	43.2	42.8
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T:  
F:



## CONTAMINATION

Silicon	ppm	<b>13</b>	13	15	8
Sodium	ppm	<b>4</b>	4	8	4
Potassium	ppm	<b>0</b>	0	0	2

## 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>40</b>	29	54	24
Copper	ppm	<b>0</b>	<1	<1	2
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	1	2	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>0</b>	<1	1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>1</b>	<1	1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>4213</b>	3994	3915	3790
Magnesium	ppm	<b>20</b>	20	21	12
Zinc	ppm	<b>1688</b>	1573	1528	1547
Phosphorus	ppm	<b>1330</b>	1255	1230	1359
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>161</b>	132	140	128

**Depot:** DENHIL  
**Unique No:** 10617671  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023



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## GRAPHS

