



# CONSTRUCTION EQUIPMENT

## SWA549039-10 VOLVO L220H 2933 - REAR AXLE



**Sample No:** VCP429460  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA549039-10



### SAMPLE INFORMATION

Sample Number	<b>VCP429460</b>	VCP424077	VCP332065	VCP359968
Sample Date	<b>07 May 2024</b>	07 Sep 2023	26 Aug 2022	15 Apr 2022
Machine Hours	<b>6909</b>	9700	4665	4205
Oil Hours	<b>0</b>	0	500	4000
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
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>44.7</b>	42.3	42.3	40.9
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T:  
F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	11	10	11
Sodium	ppm	<b>2</b>	6	4	8
Potassium	ppm	<b>0</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>15</b>	21	7	59
Copper	ppm	<b>2</b>	4	<1	5
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	1	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>0</b>	0	0	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3642</b>	3941	3872	3958
Magnesium	ppm	<b>15</b>	3	11	14
Zinc	ppm	<b>1458</b>	1624	1507	1576
Phosphorus	ppm	<b>1235</b>	1280	1250	1331
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>155</b>	131	153	127

**Depot:** DENHIL  
**Unique No:** 11030522  
**Signed:** Wes Davis  
**Report Date:** 15 May 2024



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## VOLVO GRAPHS

