



# CONSTRUCTION EQUIPMENT

SWA549039-10 VOLVO L220H 2933 - FRONT AXLE



**Sample No:** VCP428580  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA549039-10



## SAMPLE INFORMATION

Sample Number	<b>VCP428580</b>	VCP405619	VCP364968	VCP359961
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>42.7</b>	41.9	42.4	42.0
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T:  
F:



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	12	10	11
Sodium	ppm	<b>3</b>	6	4	8
Potassium	ppm	<b>0</b>	<1	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>	27	7	56
Copper	ppm	<b>2</b>	4	<1	6
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>0</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>	<1	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>3712</b>	3931	3821	3789
Magnesium	ppm	<b>14</b>	2	11	15
Zinc	ppm	<b>1494</b>	1598	1496	1507
Phosphorus	ppm	<b>1224</b>	1287	1240	1276
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>153</b>	132	151	120

**Depot:** DENHIL  
**Unique No:** 11030523  
**Signed:** Wes Davis  
**Report Date:** 15 May 2024



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## GRAPHS

