



# CONSTRUCTION EQUIPMENT

SWA350376-20 VOLVO L220H 2933 - FRONT AXLE



**Sample No:** VCP405619  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA350376-20



## SAMPLE INFORMATION

Sample Number	<b>VCP405619</b>	VCP364968	VCP359961	VCP326785
Sample Date	<b>07 Sep 2023</b>	26 Aug 2022	15 Apr 2022	07 Oct 2021
Machine Hours	<b>9700</b>	4665	4205	3532
Oil Hours	<b>0</b>	500	4000	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
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>41.9</b>	42.4	42.0	41.5
-------------	-----	-------------	------	------	------

T:  
F:



## CONTAMINATION

Silicon	ppm	<b>12</b>	10	11	13
Sodium	ppm	<b>6</b>	4	8	9
Potassium	ppm	<b>&lt;1</b>	0	0	3

## 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>	7	56	46
Copper	ppm	<b>4</b>	<1	6	4
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>1</b>	1	1	1
Chromium	ppm	<b>&lt;1</b>	<1	2	1
Molybdenum	ppm	<b>&lt;1</b>	0	<1	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	2	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3931</b>	3821	3789	4335
Magnesium	ppm	<b>2</b>	11	15	12
Zinc	ppm	<b>1598</b>	1496	1507	1625
Phosphorus	ppm	<b>1287</b>	1240	1276	1277
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>132</b>	151	120	114

**Depot:** DENHIL  
**Unique No:** 10655638  
**Signed:** Wes Davis  
**Report Date:** 20 Sep 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

