



# CONSTRUCTION EQUIPMENT

## 24929 VOLVO L220H 3130 - FRONT AXLE



**Sample No:** VCP408869  
**Oil Type:** VOLVO WB 102  
**Job No:** 24929



### SAMPLE INFORMATION

Sample Number	<b>VCP408869</b>	VCP316143	VCP274823	VCP269253
Sample Date	<b>19 Mar 2024</b>	10 Apr 2021	06 Aug 2020	17 Jan 2020
Machine Hours	<b>12598</b>	4561	3066	1481
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	N/A	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**218 - ASCENDUM MACHINERY INC - N. CHARLESTON**  
 7235 CROSS COUNTRY RD.  
 NORTH CHARLESTON, SC  
 US 29418  
 Contact: MATT MITCHAM  
 matt.mitcham@ascendummachinery.com  
 T:  
 F: (843)414-1129



### OIL CONDITION

Visc @ 40°C	cSt	<b>47.6</b>	41.1	40.9	40.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	10	12	12
Sodium	ppm	<b>7</b>	7	5	4
Potassium	ppm	<b>0</b>	0	1	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>81</b>	46	75	100
Copper	ppm	<b>&lt;1</b>	1	2	7
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>1</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	1	2	3
Molybdenum	ppm	<b>0</b>	1	1	2
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	1	2	3
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>2487</b>	3594	3941	3841
Magnesium	ppm	<b>23</b>	20	17	8
Zinc	ppm	<b>1104</b>	1493	1334	1535
Phosphorus	ppm	<b>982</b>	1204	1254	1237
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>73</b>	121	118	109

**Depot:** VOLVO3387  
**Unique No:** 10940882  
**Signed:** Don Baldrige  
**Report Date:** 26 Mar 2024



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## GRAPHS

