



# CONSTRUCTION EQUIPMENT

## 646429 VOLVO L220H 3368 - FRONT AXLE



**Sample No:** VCP432380  
**Oil Type:** VOLVO WB 102  
**Job No:** 646429



### SAMPLE INFORMATION

Sample Number	<b>VCP432380</b>	VCP411690	VCP369998	VCP360954
Sample Date	<b>12 Dec 2023</b>	18 Jul 2023	13 Oct 2022	10 May 2022
Machine Hours	<b>4672</b>	3780	2139	1160
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**BLUE GOOSE GROWERS**  
 16059 W ORANGE AVE  
 FT PIERCE, FL  
 US 34945  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>44.6</b>	45.0	40.6	40.5
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T: (772)461-3020  
 F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>13</b>	12	9	9
Sodium	ppm	<b>2</b>	4	7	7
Potassium	ppm	<b>0</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>57</b>	142	78	55
Copper	ppm	<b>8</b>	38	10	4
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	1
Chromium	ppm	<b>&lt;1</b>	3	2	2
Molybdenum	ppm	<b>&lt;1</b>	2	1	1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	3	3	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3627</b>	4243	3703	4070
Magnesium	ppm	<b>17</b>	26	8	8
Zinc	ppm	<b>1473</b>	1796	1465	1729
Phosphorus	ppm	<b>1305</b>	1443	1223	1421
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>128</b>	131	122	149

**Depot:** BLUFOR  
**Unique No:** 10791591  
**Signed:** Wes Davis  
**Report Date:** 18 Dec 2023



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## GRAPHS

