



# CONSTRUCTION EQUIPMENT

## 370703 VOLVO L220H 2461 - FRONT AXLE



**Sample No:** VCP394985  
**Oil Type:** VOLVO WB 102  
**Job No:** 370703



### SAMPLE INFORMATION

Sample Number	<b>VCP394985</b>	VCP273175	VCE175560	VCE243670
Sample Date	<b>19 Jul 2023</b>	03 Sep 2020	12 Jul 2019	12 Mar 2018
Machine Hours	<b>22253</b>	14469	10718	4800
Oil Hours	<b>0</b>	2000	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.  
 Burlington, ON  
 CA L7L 4Y1  
 Contact: Sue Hooton  
 shooton@strongco.com  
 T: (905)331-3835  
 F: (905)643-6077



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.6</b>	40.6	40.2	40.3
-------------	-----	-------------	------	------	------



### CONTAMINATION

Silicon	ppm	<b>16</b>	11	11	11
Sodium	ppm	<b>4</b>	2	3	2
Potassium	ppm	<b>1</b>	<1	<1	0



### WEAR METALS

Iron	ppm	<b>60</b>	36	34	143
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>1</b>	1	1	2
Molybdenum	ppm	<b>1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	<1	0	<1



### ADDITIVES

Calcium	ppm	<b>4264</b>	3825	3548	3663
Magnesium	ppm	<b>28</b>	12	10	12
Zinc	ppm	<b>1630</b>	1591	1497	1500
Phosphorus	ppm	<b>1341</b>	1313	1171	1243
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>129</b>	111	103	104

### 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.

**Depot:** VOLVO0252  
**Unique No:** 5616568  
**Signed:** Wes Davis  
**Report Date:** 21 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

