



# CONSTRUCTION EQUIPMENT

## 9357 VOLVO L220H 3064 - FRONT AXLE



**Sample No:** VCP422891  
**Oil Type:** VOLVO WB 102  
**Job No:** 9357



### SAMPLE INFORMATION

Sample Number	<b>VCP422891</b>	VCE142697	VCP361103	VCP358595
Sample Date	<b>26 Jul 2023</b>	20 Dec 2022	08 Aug 2022	20 Apr 2022
Machine Hours	<b>16056</b>	14157	13237	12248
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**WHEELABRATOR**  
 1801 ANNAPOLIS RD  
 BALTIMORE, MD  
 US 21230  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	43.8	44.5	47.6
-------------	-----	-------------	------	------	------

T: (215)428-7902  
 F:



### CONTAMINATION

Silicon	ppm	<b>13</b>	9	28	8
Sodium	ppm	<b>2</b>	2	6	4
Potassium	ppm	<b>0</b>	2	0	1

**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>23</b>	9	44	26
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>3</b>	<1	2	1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	1	3	7
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3665</b>	3764	3525	2983
Magnesium	ppm	<b>27</b>	33	51	100
Zinc	ppm	<b>1491</b>	1527	1496	1368
Phosphorus	ppm	<b>1184</b>	1204	1166	1093
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>127</b>	118	129	108

**Depot:** WHEBAL  
**Unique No:** 10586780  
**Signed:** Wes Davis  
**Report Date:** 04 Aug 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

