



# CONSTRUCTION EQUIPMENT

## 10050 VOLVO L220H 2855 - FRONT AXLE



**Sample No:** VCP447966  
**Oil Type:** VOLVO WB 102  
**Job No:** 10050



### SAMPLE INFORMATION

Sample Number	<b>VCP447966</b>	VCP404407	VCP355092	VCP344889
Sample Date	<b>15 Dec 2023</b>	26 Jul 2023	20 Jul 2022	15 Dec 2021
Machine Hours	<b>15891</b>	14058	11991	10295
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>43.0</b>	44.6	47.9	40.8
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T: (215)428-7902  
 F:

### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	12	10	7
Sodium	ppm	<b>0</b>	4	3	4
Potassium	ppm	<b>0</b>	0	1	0

**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>11</b>	32	26	62
Copper	ppm	<b>0</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	3	1	<1
Chromium	ppm	<b>0</b>	<1	<1	2
Molybdenum	ppm	<b>1</b>	3	7	10
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	2	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	<1	0	0

### ADDITIVES

Calcium	ppm	<b>2814</b>	3413	3090	2504
Magnesium	ppm	<b>50</b>	71	95	53
Zinc	ppm	<b>1346</b>	1429	1309	1112
Phosphorus	ppm	<b>1154</b>	1139	1081	946
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>50</b>	124	126	84

**Depot:** WHEBAL  
**Unique No:** 10805841  
**Signed:** Sean Felton  
**Report Date:** 28 Dec 2023



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## GRAPHS

