



# CONSTRUCTION EQUIPMENT

## A10858 VOLVO L220H 2992 - FRONT AXLE



**Sample No:** VCP413723  
**Oil Type:** MOBIL WB 102  
**Job No:** A10858



### SAMPLE INFORMATION

Sample Number	<b>VCP413723</b>	VCP421957	VCP342645	VCP378627
Sample Date	<b>10 Aug 2023</b>	04 May 2023	30 Jan 2023	29 Jul 2022
Machine Hours	<b>14860</b>	13949	13050	11390
Oil Hours	<b>1000</b>	0	2000	1000
Oil Changed	<b>Not Changd</b>	N/A	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**WHEELABRATOR**  
 1201 NEW FORD MILL RD  
 MORRISVILLE, PA  
 US 19067  
 Contact: FRANK BOLTON  
 fbolton@wtienergy.com  
 T: (215)428-7915  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>45.6</b>	46.7	42.0	41.9
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### CONTAMINATION

Silicon	ppm	<b>10</b>	9	11	12
Sodium	ppm	<b>&lt;1</b>	2	8	7
Potassium	ppm	<b>0</b>	3	<1	3



### WEAR METALS

Iron	ppm	<b>34</b>	22	170	162
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	<1	2	2
Chromium	ppm	<b>&lt;1</b>	<1	2	1
Molybdenum	ppm	<b>3</b>	5	<1	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	2	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3412</b>	3651	3358	3709
Magnesium	ppm	<b>49</b>	58	18	15
Zinc	ppm	<b>1429</b>	1570	1390	1472
Phosphorus	ppm	<b>1140</b>	1245	1087	1203
Barium	ppm	<b>0</b>	0	0	2
Boron	ppm	<b>106</b>	117	111	144

### 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:** WHEMOR  
**Unique No:** 10618274  
**Signed:** Sean Felton  
**Report Date:** 25 Aug 2023



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## VOLVO GRAPHS

