



# CONSTRUCTION EQUIPMENT

W07014112 VOLVO L220H 3091 - FRONT AXLE



**Sample No:** VCP409488  
**Oil Type:** VOLVO WB 102  
**Job No:** W07014112



## SAMPLE INFORMATION

Sample Number	<b>VCP409488</b>	VCP250159	---	---
Sample Date	<b>10 Jan 2024</b>	24 Oct 2019	---	---
Machine Hours	<b>11633</b>	2096	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**MORGAN LUMBER**  
 628 JEB STUART HWY  
 RED OAK, VA  
 US 23964  
 Contact: Service Manager



## OIL CONDITION

Visc @ 40°C	cSt	<b>39.9</b>	40.1	---	---
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T:  
F:



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>9</b>	13	---	---
Sodium	ppm	<b>0</b>	4	---	---
Potassium	ppm	<b>1</b>	2	---	---

## 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>222</b>	215	---	---
Copper	ppm	<b>2</b>	3	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>2</b>	0	---	---
Chromium	ppm	<b>4</b>	4	---	---
Molybdenum	ppm	<b>&lt;1</b>	2	---	---
Nickel	ppm	<b>&lt;1</b>	2	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>3</b>	5	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>2898</b>	4886	---	---
Magnesium	ppm	<b>11</b>	9	---	---
Zinc	ppm	<b>1335</b>	1880	---	---
Phosphorus	ppm	<b>1191</b>	1563	---	---
Barium	ppm	<b>3</b>	0	---	---
Boron	ppm	<b>106</b>	139	---	---

**Depot:** MORREDVA  
**Unique No:** 10834502  
**Signed:** Wes Davis  
**Report Date:** 18 Jan 2024



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## GRAPHS

