



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 632556 - REAR AXLE



**Sample No:** VCP446195  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP446195</b>	VCP412837	---	---
Sample Date	<b>07 Mar 2024</b>	05 Oct 2023	---	---
Machine Hours	<b>2290</b>	1195	---	---
Oil Hours	<b>1000</b>	1195	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**HMR ASSOCIATES**  
 PO BOX 485  
 TOUGHKENAMON, PA  
 US 19374  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.9</b>	40.9	---	---
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T:  
 F: (610)268-2225



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>10</b>	30	---	---
Sodium	ppm	<b>0</b>	8	---	---
Potassium	ppm	<b>2</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>47</b>	201	---	---
Copper	ppm	<b>&lt;1</b>	<1	---	---
Lead	ppm	<b>&lt;1</b>	<1	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>2</b>	0	---	---
Chromium	ppm	<b>2</b>	5	---	---
Molybdenum	ppm	<b>7</b>	13	---	---
Nickel	ppm	<b>&lt;1</b>	1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>3</b>	12	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>2797</b>	3882	---	---
Magnesium	ppm	<b>57</b>	10	---	---
Zinc	ppm	<b>1160</b>	1620	---	---
Phosphorus	ppm	<b>892</b>	1297	---	---
Barium	ppm	<b>0</b>	1	---	---
Boron	ppm	<b>88</b>	118	---	---

**Depot:** HMRTOU  
**Unique No:** 10938172  
**Signed:** Don Baldrige  
**Report Date:** 22 Mar 2024



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## GRAPHS

