



# CONSTRUCTION EQUIPMENT

A11172 VOLVO L110H 632554 - FRONT AXLE



**Sample No:** VCP425999  
**Oil Type:** MOBIL WB 102  
**Job No:** A11172



## SAMPLE INFORMATION

Sample Number	VCP425999	---	---	---
Sample Date	06 Oct 2023	---	---	---
Machine Hours	1475	---	---	---
Oil Hours	1475	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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



## OIL CONDITION

Visc @ 40°C	cSt	█ 42.9	---	---	---
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T:  
 F: (610)268-2225



## CONTAMINATION

Silicon	ppm	█ 31	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 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	█ 335	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	16	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	13	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	3551	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	1473	---	---	---
Phosphorus	ppm	1206	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	116	---	---	---

**Depot:** HMRTOU  
**Unique No:** 10689350  
**Signed:** Don Baldrige  
**Report Date:** 16 Oct 2023



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## GRAPHS

