



# CONSTRUCTION EQUIPMENT

645830 ATLAS ORG VOLVO L70H 623711 - FRONT AXLE



**Sample No:** VCP440743  
**Oil Type:** VOLVO WB 102  
**Job No:** 645830 ATLAS ORG



## SAMPLE INFORMATION

Sample Number	<b>VCP440743</b>	VCP415786	---	---
Sample Date	<b>06 Dec 2023</b>	29 Jun 2023	---	---
Machine Hours	<b>9083</b>	8029	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: Robert LaPlante  
 robert.laplante@altg.com  
 T: (407)508-9736  
 F: (407)659-8720



## OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	44.0	---	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>16</b>	12	---	---
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>93</b>	150	---	---
Copper	ppm	<b>&lt;1</b>	2	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>1</b>	2	---	---
Chromium	ppm	<b>&lt;1</b>	3	---	---
Molybdenum	ppm	<b>6</b>	2	---	---
Nickel	ppm	<b>&lt;1</b>	1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>1</b>	4	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



## ADDITIVES

Calcium	ppm	<b>3740</b>	3039	---	---
Magnesium	ppm	<b>40</b>	17	---	---
Zinc	ppm	<b>1570</b>	1325	---	---
Phosphorus	ppm	<b>1337</b>	1362	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>136</b>	130	---	---

**Depot:** VOLVO0096  
**Unique No:** 10789045  
**Signed:** Don Baldrige  
**Report Date:** 17 Dec 2023



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## GRAPHS

