



# CONSTRUCTION EQUIPMENT

## 687904 ATLAS ORGANIC VOLVO L70H 624676 - FRONT AXLE



**Sample No:** VCP437938  
**Oil Type:** VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102  
**Job No:** 687904 ATLAS ORGANIC



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### SAMPLE INFORMATION

Sample Number	<b>VCP437938</b>	VCP411606	VCP355086	---
Sample Date	<b>15 Mar 2024</b>	14 Aug 2023	20 Jun 2022	---
Machine Hours	<b>3027</b>	2061	428	---
Oil Hours	<b>2000</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.6</b>	40.6	40.6	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>15</b>	18	21	---
Sodium	ppm	<b>2</b>	10	11	---
Potassium	ppm	<b>0</b>	1	3	---



### WEAR METALS

Iron	ppm	<b>38</b>	92	51	---
Copper	ppm	<b>&lt;1</b>	<1	2	---
Lead	ppm	<b>&lt;1</b>	<1	1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>1</b>	<1	2	---
Chromium	ppm	<b>1</b>	4	3	---
Molybdenum	ppm	<b>3</b>	12	12	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	2	---
Manganese	ppm	<b>4</b>	12	10	---
Vanadium	ppm	<b>&lt;1</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>4282</b>	3900	4783	---
Magnesium	ppm	<b>23</b>	16	14	---
Zinc	ppm	<b>1755</b>	1622	1953	---
Phosphorus	ppm	<b>1445</b>	1259	1576	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>140</b>	141	164	---

### 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:** VOLVO0093  
**Unique No:** 10976333  
**Signed:** Wes Davis  
**Report Date:** 12 Apr 2024



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## GRAPHS

