



# CONSTRUCTION EQUIPMENT

## ATLAS VOLVO L70H 624670 - TRANSMISSION (AUTO)



**Sample No:** VCP432163  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** ATLAS



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### SAMPLE INFORMATION

Sample Number	VCP432163	VCP411619	---	---
Sample Date	20 Dec 2023	18 Sep 2023	---	---
Machine Hours	2474	1489	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ATTENTION	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	▲ 27.4	■ 28.7	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 8	■ 2	---	---
Sodium	ppm	■ 6	■ 2	---	---
Potassium	ppm	■ 2	■ 1	---	---



### WEAR METALS

Iron	ppm	▲ 152	■ 2	---	---
Copper	ppm	■ 12	■ <1	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 2	■ <1	---	---
Chromium	ppm	■ <1	■ 0	---	---
Molybdenum	ppm	■ 0	0	---	---
Nickel	ppm	■ <1	■ 0	---	---
Titanium	ppm	■ 0	0	---	---
Silver	ppm	■ 0	0	---	---
Manganese	ppm	■ 10	<1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	▲ 72	75	---	---
Magnesium	ppm	▲ <1	3	---	---
Zinc	ppm	▲ 28	0	---	---
Phosphorus	ppm	▲ 195	179	---	---
Barium	ppm	■ 0	0	---	---
Boron	ppm	■ 55	106	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. An increase in the iron level is noted. All other component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 10829905  
**Signed:** Don Baldrige  
**Report Date:** 14 Jan 2024



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## GRAPHS

