



# CONSTRUCTION EQUIPMENT

645830 ATLAS ORG VOLVO L70H 623711 - TRANSMISSION (AUTO)



**Sample No:** VCP440742  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 645830 ATLAS ORG



## SAMPLE INFORMATION

Sample Number	<b>VCP440742</b>	VCP418344	VCP415772	---
Sample Date	<b>06 Dec 2023</b>	12 Sep 2023	29 Jun 2023	---
Machine Hours	<b>9083</b>	8505	8029	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Changed	Changed	---
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>28.5</b>	28.8	29.1	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>7</b>	6	9	---
Sodium	ppm	<b>3</b>	8	10	---
Potassium	ppm	<b>2</b>	1	4	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>165</b>	145	268	---
Copper	ppm	<b>77</b>	67	126	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>5</b>	7	8	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	2	4	---
Vanadium	ppm	<b>0</b>	<1	0	---



## ADDITIVES

Calcium	ppm	<b>156</b>	166	246	---
Magnesium	ppm	<b>4</b>	0	7	---
Zinc	ppm	<b>73</b>	51	158	---
Phosphorus	ppm	<b>205</b>	233	258	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>54</b>	52	24	---

**Depot:** VOLVO0096  
**Unique No:** 10789113  
**Signed:** Jonathan Hester  
**Report Date:** 18 Dec 2023

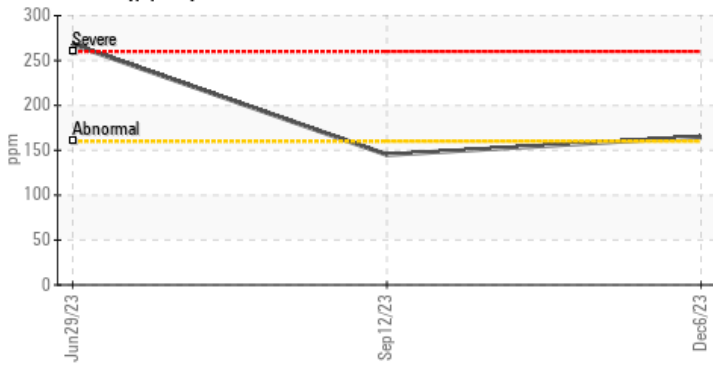


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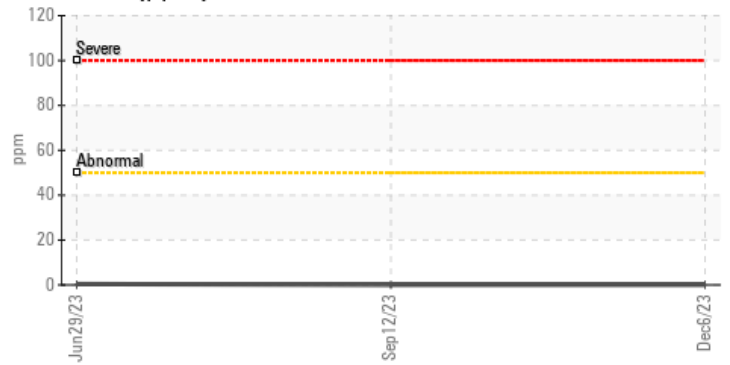


## GRAPHS

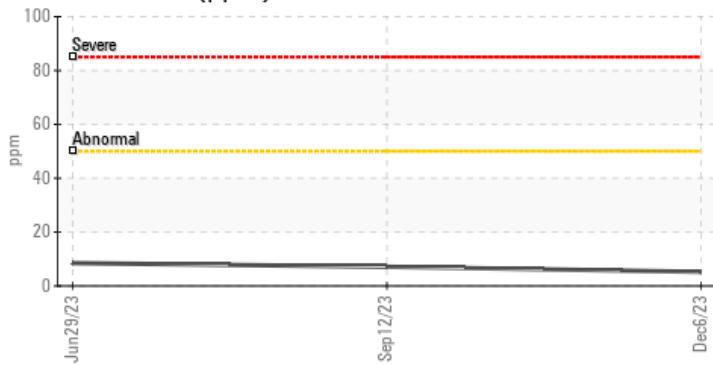
### ▲ Iron (ppm)



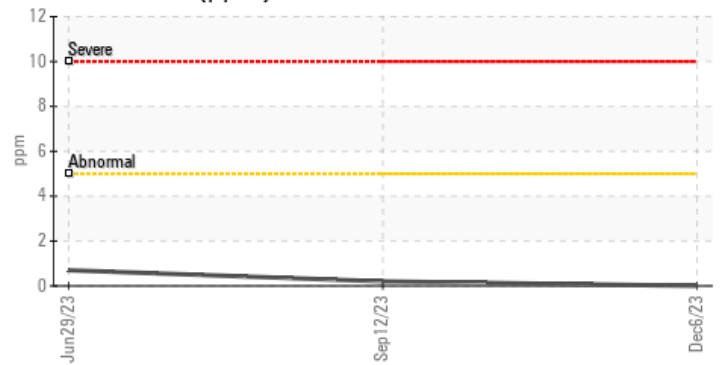
### Lead (ppm)



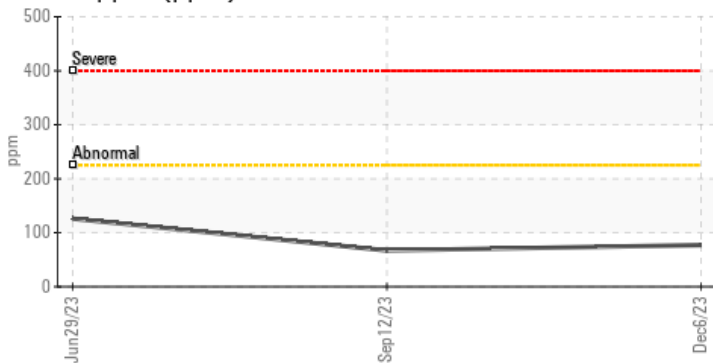
### Aluminum (ppm)



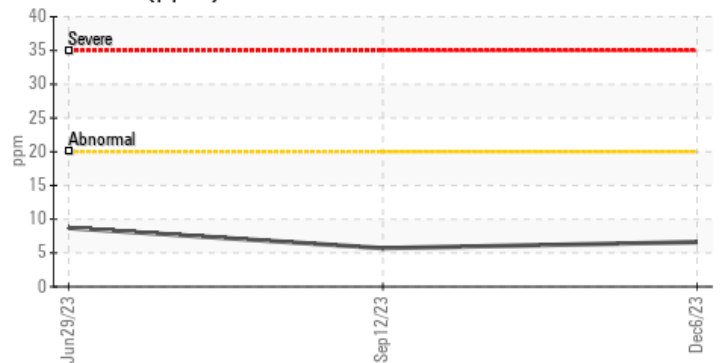
### Chromium (ppm)



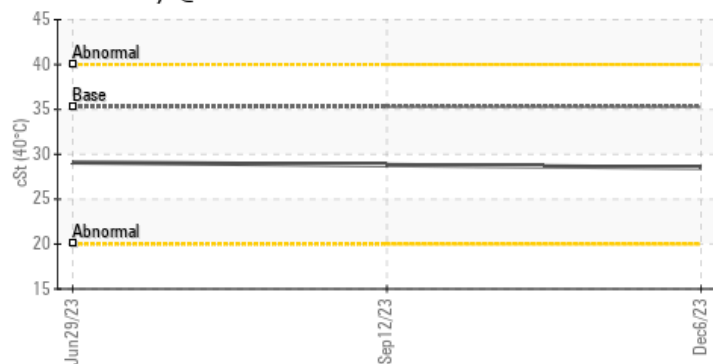
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

