



# CONSTRUCTION EQUIPMENT

## SWA286531-10 VOLVO L90H 623596 - TRANSMISSION (AUTO)



**Sample No:** VCP407430  
**Oil Type:** VOLVO AT 102  
**Job No:** SWA286531-10



### SAMPLE INFORMATION

Sample Number	<b>VCP407430</b>	VCP376194	VCP291009	VCP322962
Sample Date	<b>28 Jun 2023</b>	22 Aug 2022	16 Dec 2021	28 Jul 2021
Machine Hours	<b>11338</b>	10360	9295	8765
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - ROCK TAVERN  
 39 STONE CASTLE RD  
 ROCK TAVERN, NY  
 US 12575  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>26.3</b>	26.5	26.3	26.3
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T:  
F:



### CONTAMINATION

Silicon	ppm	<b>5</b>	5	4	3
Sodium	ppm	<b>1</b>	2	2	3
Potassium	ppm	<b>3</b>	2	1	<1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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>42</b>	32	86	30
Copper	ppm	<b>19</b>	16	14	15
Lead	ppm	<b>0</b>	<1	0	2
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>0</b>	3	1	<1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>2</b>	2	2	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>85</b>	86	88	102
Magnesium	ppm	<b>0</b>	3	2	1
Zinc	ppm	<b>27</b>	24	13	25
Phosphorus	ppm	<b>149</b>	153	157	149
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>61</b>	63	60	88

**Depot:** INSROC  
**Unique No:** 10561627  
**Signed:** Wes Davis  
**Report Date:** 18 Jul 2023

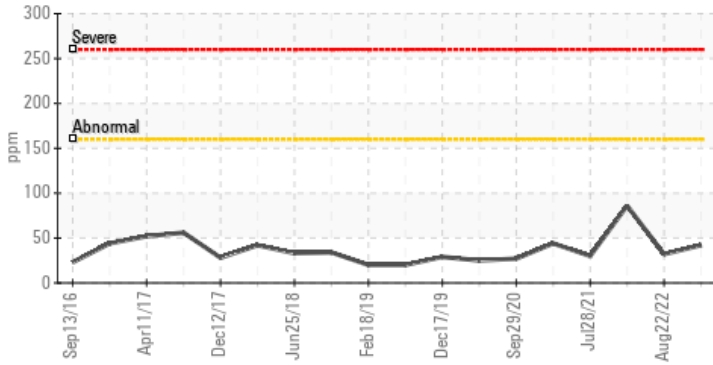


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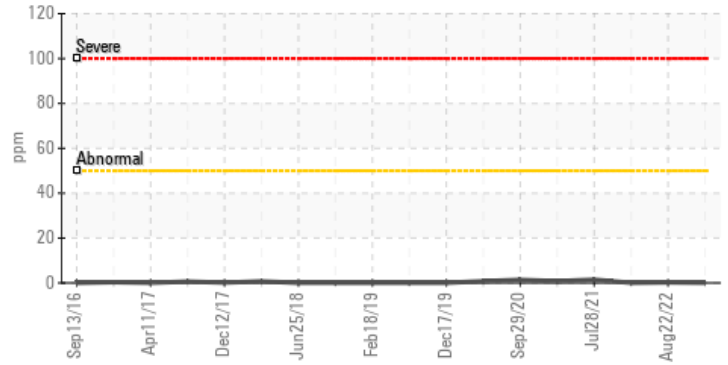


## GRAPHS

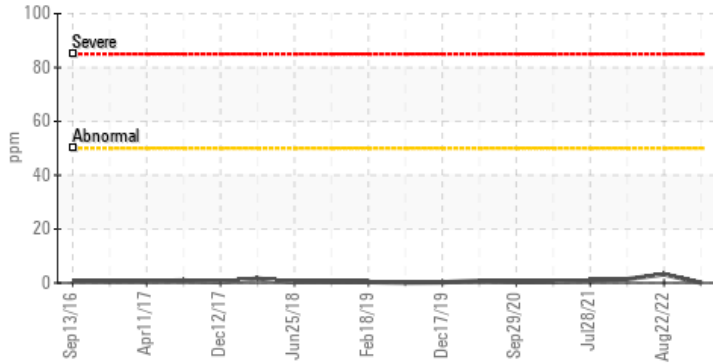
### Iron (ppm)



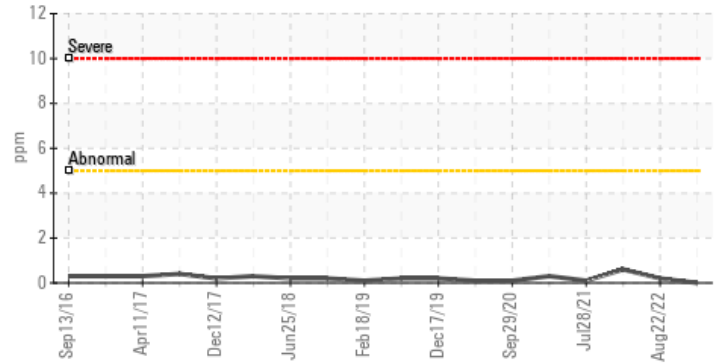
### Lead (ppm)



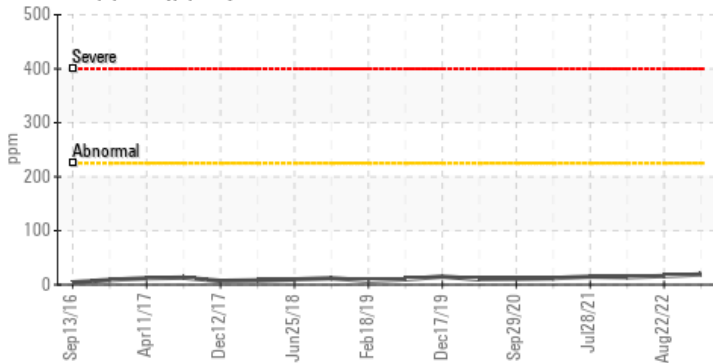
### Aluminum (ppm)



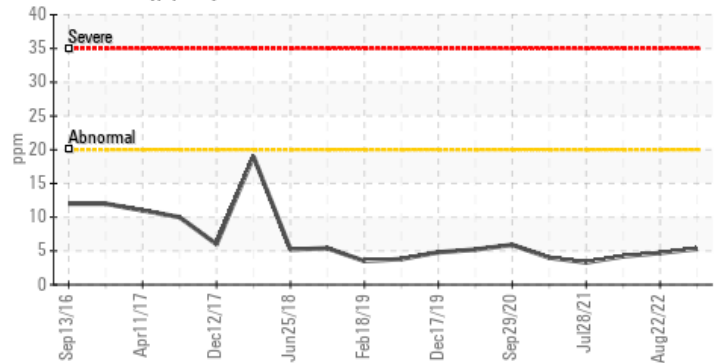
### Chromium (ppm)



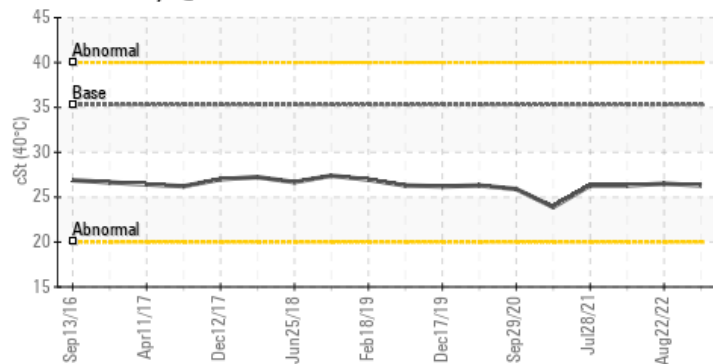
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

