



# CONSTRUCTION EQUIPMENT

## A11109 IAA VOLVO L90H 623537 - TRANSMISSION (AUTO)



**Sample No:** VCP412824  
**Oil Type:** MOBIL AT 102  
**Job No:** A11109 IAA



### SAMPLE INFORMATION

Sample Number	<b>VCP412824</b>	VCP385194	VCBM001643	VCP293291
Sample Date	<b>20 Sep 2023</b>	14 Dec 2022	17 Dec 2021	12 Oct 2020
Machine Hours	<b>11805</b>	10665	9000	7920
Oil Hours	<b>4000</b>	2000	1000	4000
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
 LIONVILLE, PA  
 US 19341  
 Contact: JIM FEHR  
 jim.fehr@hoffmanequip.com  
 T: (610)363-9200  
 F: (610)594-0829



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.6</b>	27.8	27.0	27.0
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### CONTAMINATION

Silicon	ppm	<b>5</b>	4	4	5
Sodium	ppm	<b>5</b>	6	5	6
Potassium	ppm	<b>&lt;1</b>	<1	0	1



### WEAR METALS

Iron	ppm	<b>34</b>	36	30	42
Copper	ppm	<b>4</b>	5	4	7
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>4</b>	3	2	0
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	2	4	4
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>170</b>	189	221	325
Magnesium	ppm	<b>21</b>	20	30	42
Zinc	ppm	<b>136</b>	166	89	135
Phosphorus	ppm	<b>259</b>	263	242	256
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>53</b>	60	85	91

### 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.

**Depot:** VOLVO8879  
**Unique No:** 10673280  
**Signed:** Wes Davis  
**Report Date:** 03 Oct 2023

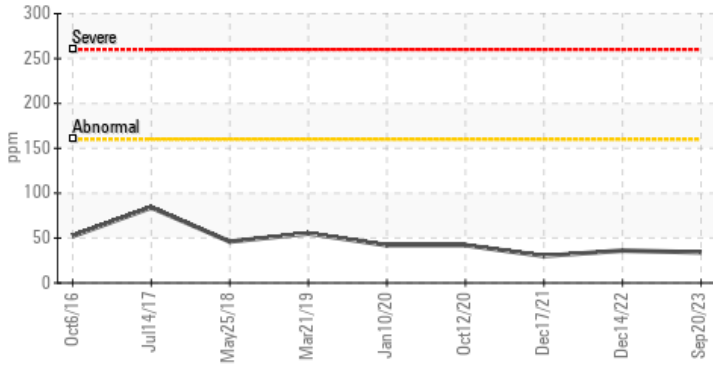


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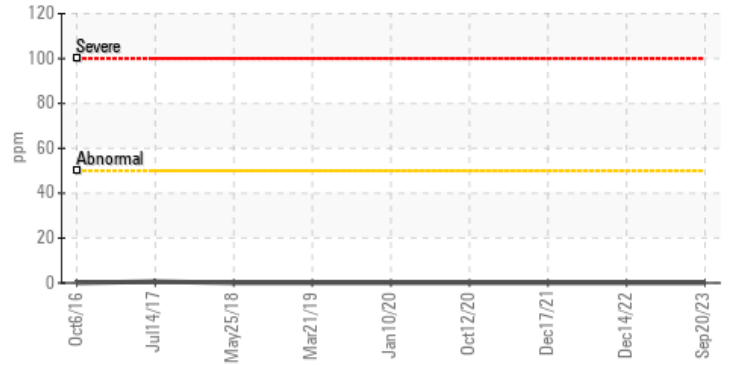


## VOLVO GRAPHS

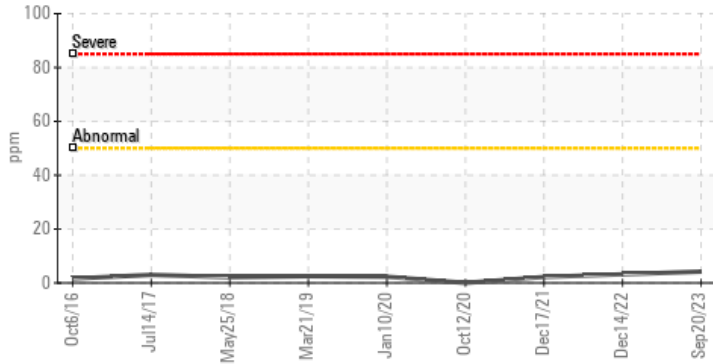
### Iron (ppm)



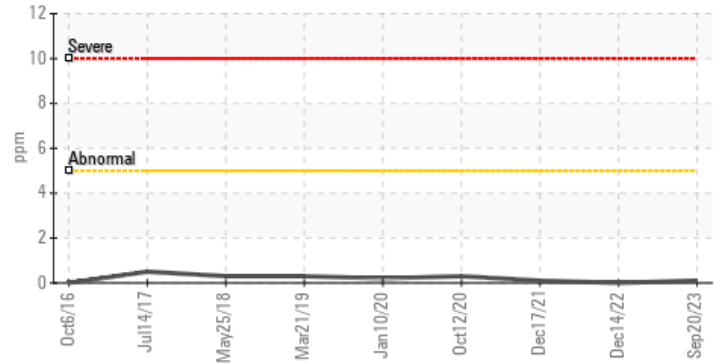
### Lead (ppm)



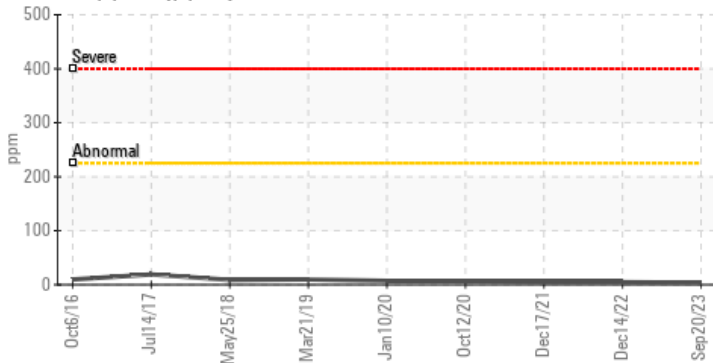
### Aluminum (ppm)



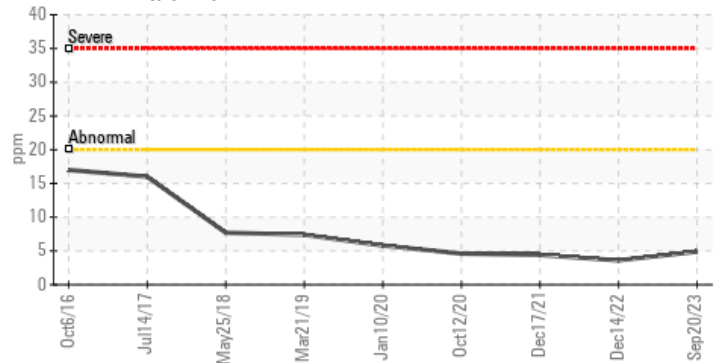
### Chromium (ppm)



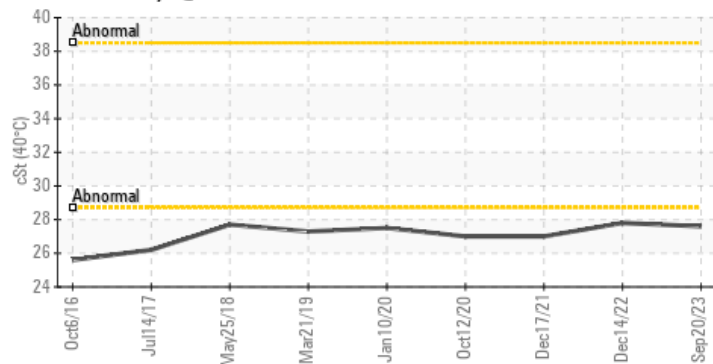
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

