



# CONSTRUCTION EQUIPMENT

## 660620 R BRO VOLVO L120H 632683 - TRANSMISSION (AUTO)



**Sample No:** VCP431273  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 660620 R BRO



**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### SAMPLE INFORMATION

Sample Number	<b>VCP431273</b>	VCP434841	VCP420993	VCP398669
Sample Date	<b>16 Jan 2024</b>	31 Aug 2023	11 May 2023	15 Feb 2023
Machine Hours	<b>5187</b>	4522	4061	3515
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.6</b>	28.0	26.1	26.2
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	3	10	11
Sodium	ppm	<b>3</b>	1	4	4
Potassium	ppm	<b>0</b>	0	1	<1



### WEAR METALS

Iron	ppm	<b>12</b>	11	48	48
Copper	ppm	<b>2</b>	<1	5	5
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>6</b>	4	14	12
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	0	1	1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	5	5
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>96</b>	76	100	99
Magnesium	ppm	<b>11</b>	2	10	8
Zinc	ppm	<b>23</b>	1	20	29
Phosphorus	ppm	<b>194</b>	189	177	164
Barium	ppm	<b>&lt;1</b>	0	2	3
Boron	ppm	<b>86</b>	90	54	60

### 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:** VOLVO0096  
**Unique No:** 10845519  
**Signed:** Wes Davis  
**Report Date:** 24 Jan 2024

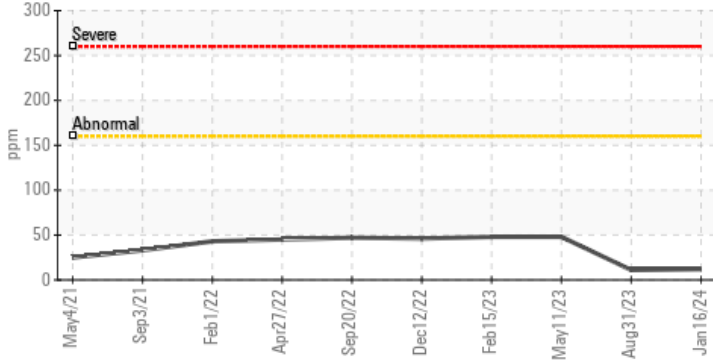


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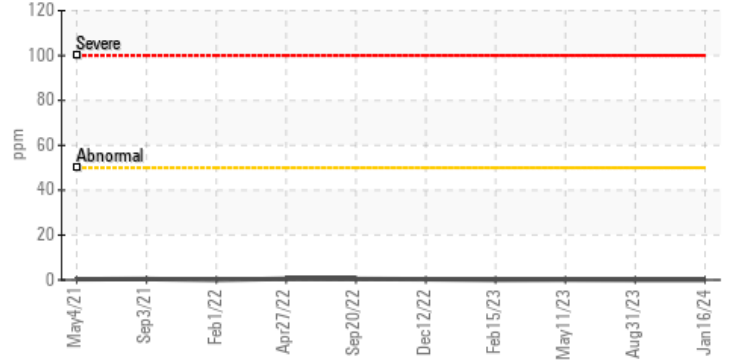


## GRAPHS

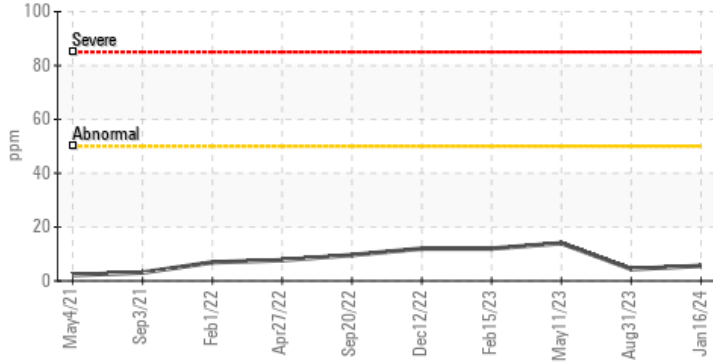
### Iron (ppm)



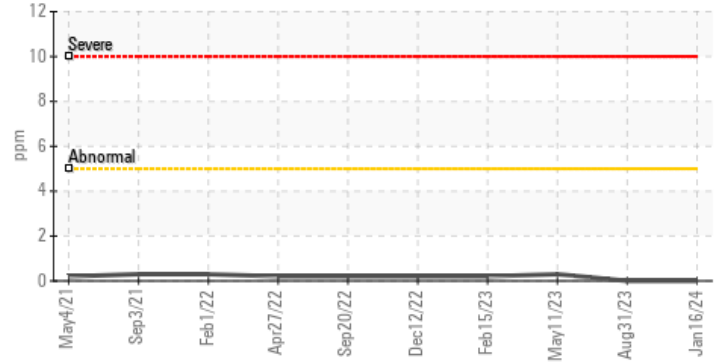
### Lead (ppm)



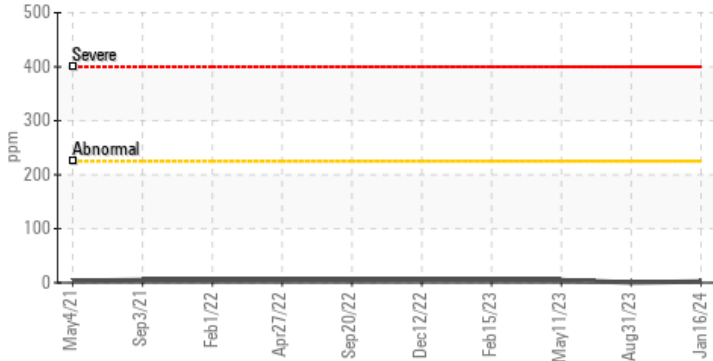
### Aluminum (ppm)



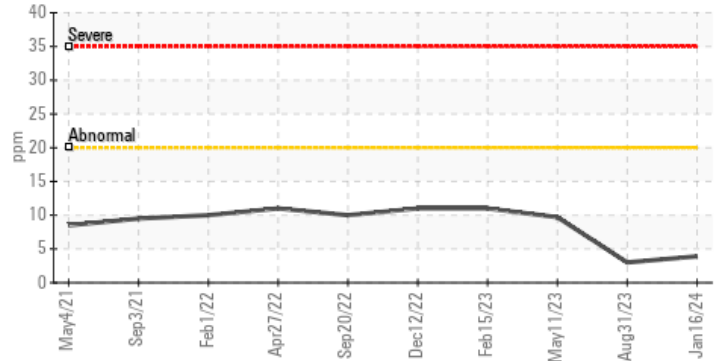
### Chromium (ppm)



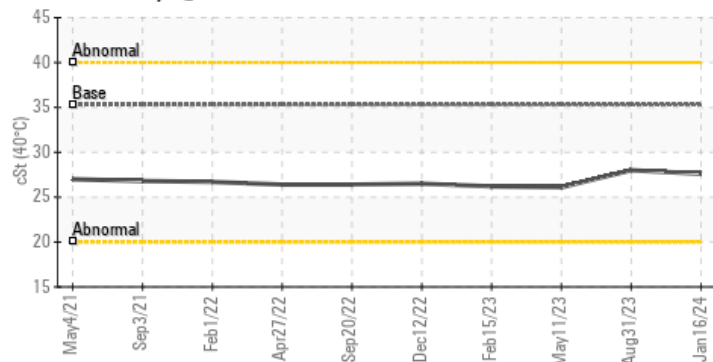
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

