



# CONSTRUCTION EQUIPMENT

## SPM621718 SCRAP VOLVO L110H 631686 - TRANSMISSION (AUTO)



**Sample No:** VCP429894  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** SPM621718 SCRAP



### SAMPLE INFORMATION

Sample Number	<b>VCP429894</b>	VCP422582	VCP404376	VCP327396
Sample Date	<b>02 Nov 2023</b>	06 Jul 2023	03 Feb 2023	09 Aug 2022
Machine Hours	<b>4039</b>	3075	2551	2197
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	ABNORMAL

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 DAVE.ENG@ALTG.COM  
 T: (312)350-2560  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>30.2</b>	32.3	29.2	27.1
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### CONTAMINATION

Silicon	ppm	<b>3</b>	2	4	12
Sodium	ppm	<b>2</b>	<1	2	7
Potassium	ppm	<b>1</b>	0	<1	2



### WEAR METALS

Iron	ppm	<b>31</b>	17	33	▲ 182
Copper	ppm	<b>15</b>	4	4	22
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>1</b>	<1	2	7
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	2	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>3</b>	2	4	19
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>180</b>	187	71	110
Magnesium	ppm	<b>25</b>	26	2	12
Zinc	ppm	<b>86</b>	83	47	294
Phosphorus	ppm	<b>223</b>	229	183	164
Barium	ppm	<b>0</b>	0	1	0
Boron	ppm	<b>74</b>	91	87	13

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8885  
**Unique No:** 10738505  
**Signed:** Don Baldrige  
**Report Date:** 14 Nov 2023

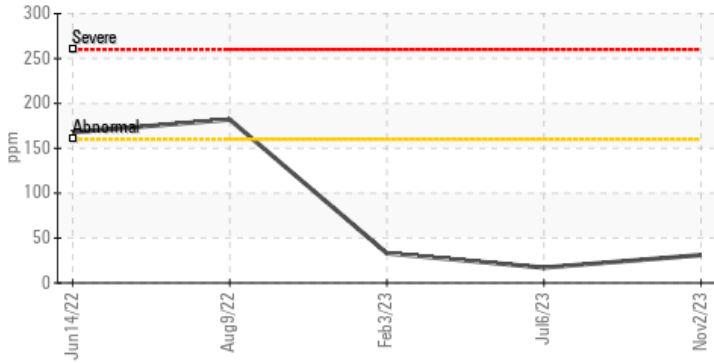


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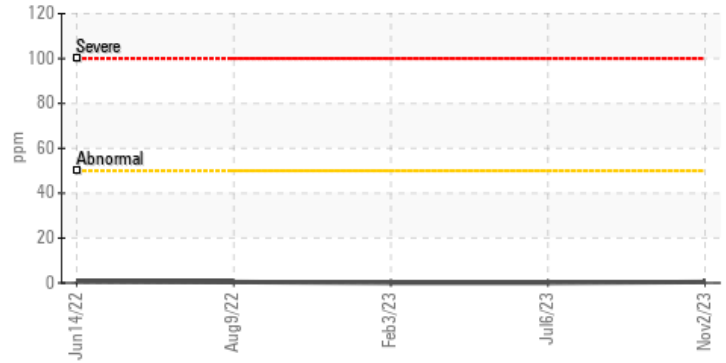


## GRAPHS

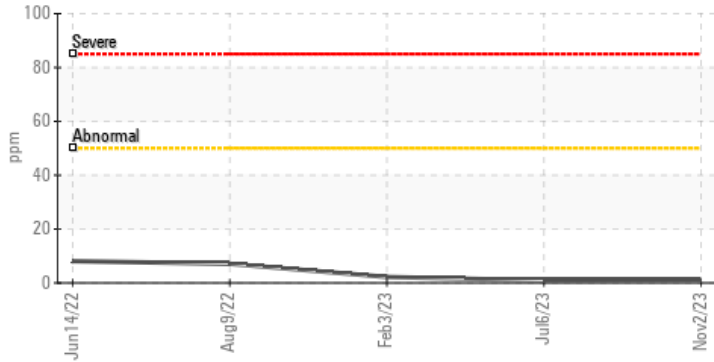
### Iron (ppm)



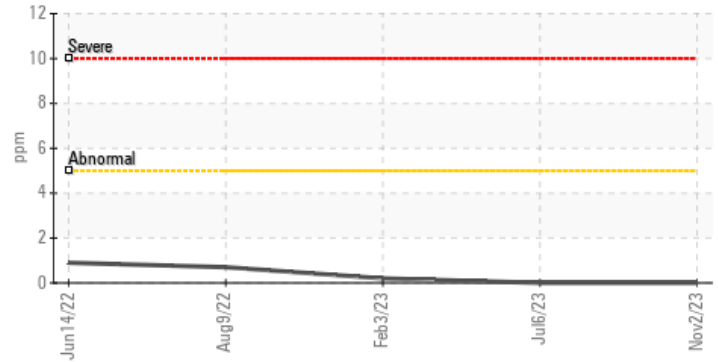
### Lead (ppm)



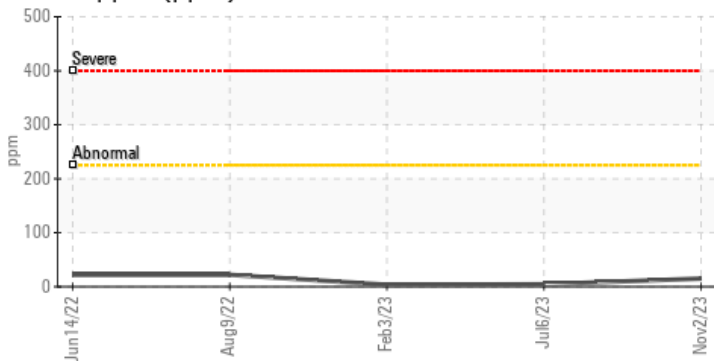
### Aluminum (ppm)



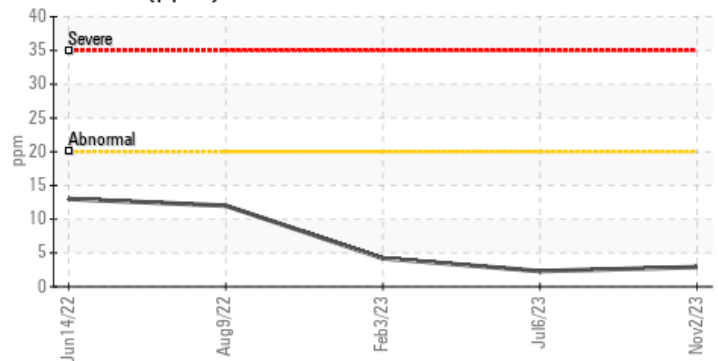
### Chromium (ppm)



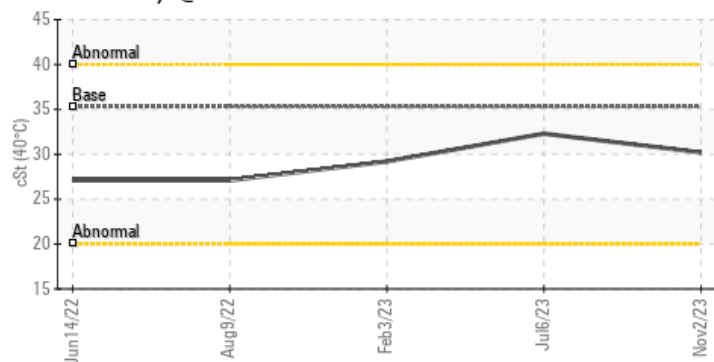
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

