



# CONSTRUCTION EQUIPMENT

## SWA401361-10 VOLVO L220H 3195 - TRANSMISSION (AUTO)



**Sample No:** VCP432411  
**Oil Type:** VOLVO AT 102  
**Job No:** SWA401361-10



### SAMPLE INFORMATION

Sample Number	<b>VCP432411</b>	VCP419121	VCP390232	VCP336117
Sample Date	<b>29 Oct 2023</b>	21 Aug 2023	01 Nov 2022	20 Jun 2022
Machine Hours	<b>11063</b>	10636	8642	7636
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	NORMAL

**CALLANAN INDUSTRIES**  
 93 SULLIVAN RD  
 MONTICELLO, NY  
 US 12701  
 Contact: Service Manager



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.4</b>	27.3	27.8	27.9
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T:  
F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	4	3	4
Sodium	ppm	<b>4</b>	0	1	5
Potassium	ppm	<b>&lt;1</b>	1	0	9

### 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>186</b>	177	111	32
Copper	ppm	<b>8</b>	7	4	2
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>3</b>	1	1	<1
Chromium	ppm	<b>2</b>	1	1	<1
Molybdenum	ppm	<b>0</b>	<1	1	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	2
Manganese	ppm	<b>3</b>	3	2	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>93</b>	91	89	48
Magnesium	ppm	<b>&lt;1</b>	2	0	0
Zinc	ppm	<b>9</b>	15	0	4
Phosphorus	ppm	<b>192</b>	188	201	175
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>82</b>	99	88	37

**Depot:** CALMONNY  
**Unique No:** 10804223  
**Signed:** Jonathan Hester  
**Report Date:** 27 Dec 2023

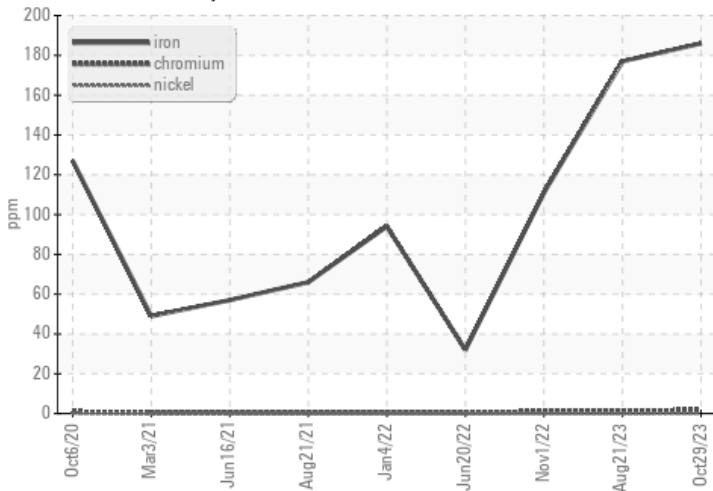


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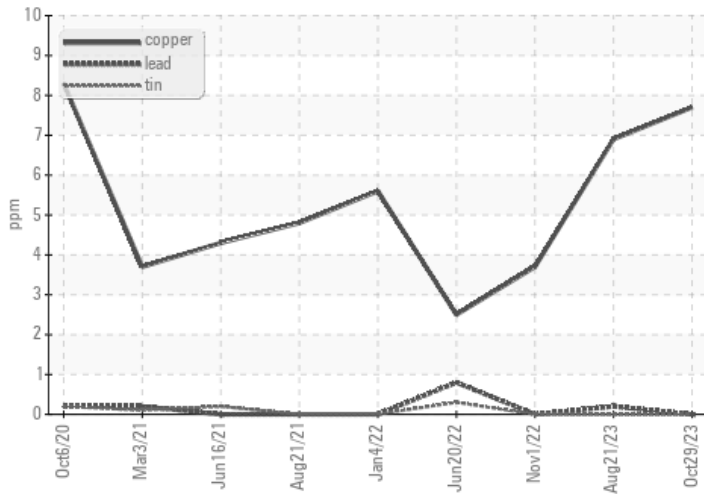


## GRAPHS

### ▲ Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

