



# CONSTRUCTION EQUIPMENT

## 581789 VOLVO L120H 632767 - TRANSMISSION (AUTO)



**Sample No:** VCP416400  
**Oil Type:** VOLVO AT 102  
**Job No:** 581789



### SAMPLE INFORMATION

Sample Number	<b>VCP416400</b>	VCP318125	VCP296002	VCP278633
Sample Date	<b>03 Aug 2023</b>	08 Dec 2021	26 Jan 2021	07 Aug 2020
Machine Hours	<b>4536</b>	1919	849	512
Oil Hours	<b>4000</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>27.6</b>	29.1	26.7	26.9
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### CONTAMINATION

Silicon	ppm	<b>4</b>	9	7	8
Sodium	ppm	<b>2</b>	5	<1	1
Potassium	ppm	<b>&lt;1</b>	<1	1	0

### 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>31</b>	▲ 224	48	39
Copper	ppm	<b>4</b>	10	5	4
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>3</b>	2	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	<1	0
Manganese	ppm	<b>2</b>	12	5	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>77</b>	387	93	77
Magnesium	ppm	<b>0</b>	1	1	0
Zinc	ppm	<b>5</b>	144	8	14
Phosphorus	ppm	<b>190</b>	241	177	158
Barium	ppm	<b>0</b>	0	4	0
Boron	ppm	<b>80</b>	50	72	78

**Depot:** VOLVO0096  
**Unique No:** 10616468  
**Signed:** Wes Davis  
**Report Date:** 23 Aug 2023

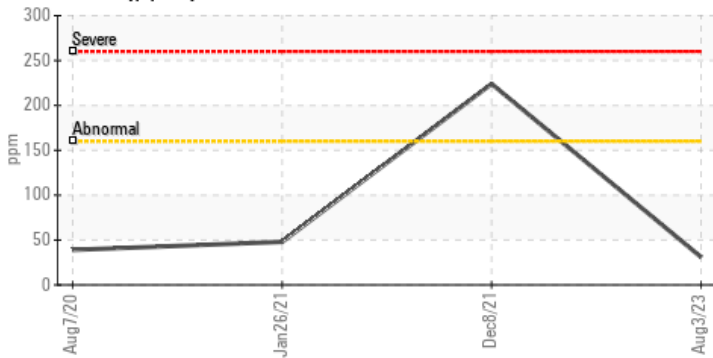


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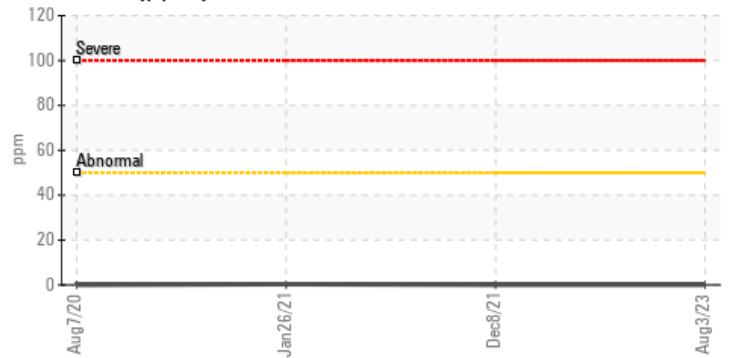


## GRAPHS

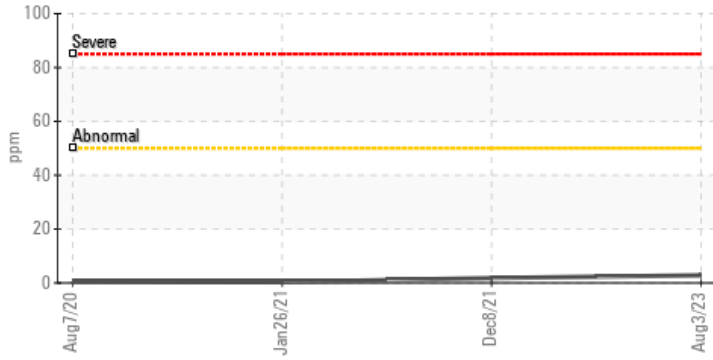
### Iron (ppm)



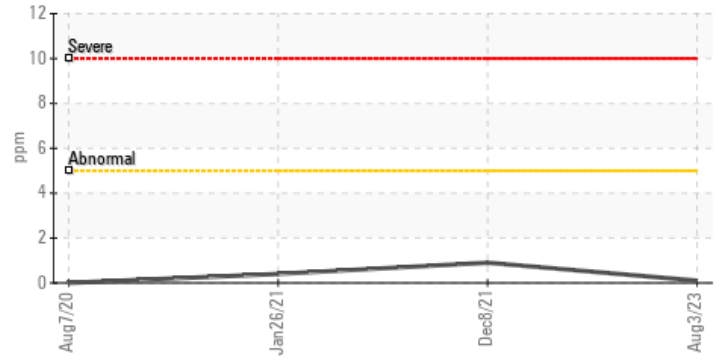
### Lead (ppm)



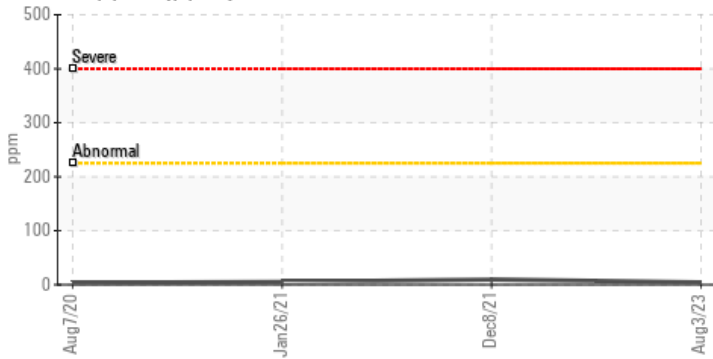
### Aluminum (ppm)



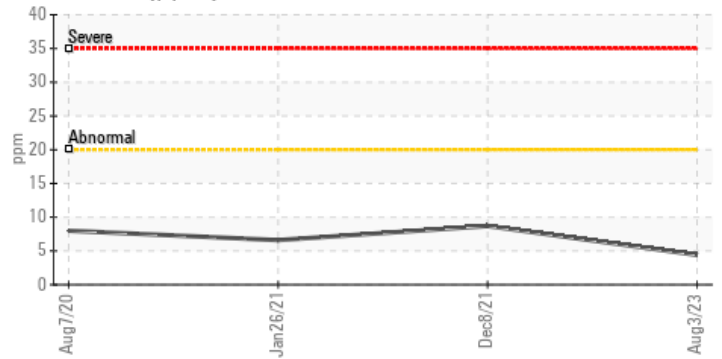
### Chromium (ppm)



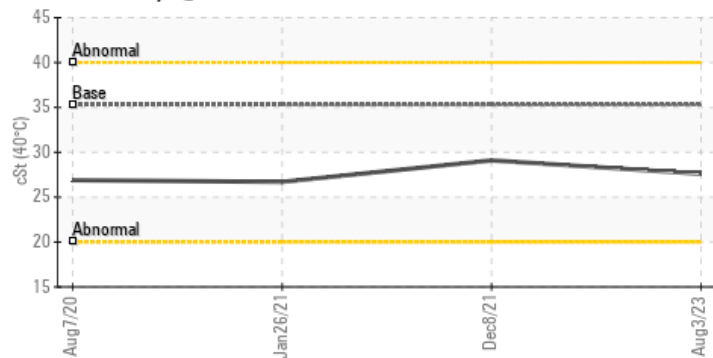
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

