



# CONSTRUCTION EQUIPMENT

## A11383 VOLVO L120F 66670 - TRANSMISSION (AUTO)



**Sample No:** VCP430932  
**Oil Type:** MOBIL WB 102  
**Job No:** A11383



### SAMPLE INFORMATION

Sample Number	<b>VCP430932</b>	VCP406368	VCP315293	VCP255052
Sample Date	<b>30 Oct 2023</b>	13 Apr 2023	24 Mar 2021	27 May 2020
Machine Hours	<b>11170</b>	10550	9240	8485
Oil Hours	<b>1000</b>	1050	1000	500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>SEVERE</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>26.4</b>	26.1	27.0	25.1
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### CONTAMINATION

Silicon	ppm	<b>144</b>	2	0	2
Sodium	ppm	<b>4</b>	2	1	<1
Potassium	ppm	<b>7</b>	0	0	<1



### WEAR METALS

Iron	ppm	<b>190</b>	11	7	6
Copper	ppm	<b>2</b>	2	1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>16</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	0	0
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>124</b>	116	104	116
Magnesium	ppm	<b>7</b>	8	5	5
Zinc	ppm	<b>26</b>	22	16	17
Phosphorus	ppm	<b>190</b>	181	171	187
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>79</b>	86	78	82

### Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition. Cylinder, crank, or cam shaft wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The fluid is no longer serviceable due to the presence of contaminants.

**Depot:** JAAPHI  
**Unique No:** 10738481  
**Signed:** Jonathan Hester  
**Report Date:** 15 Nov 2023



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## VOLVO GRAPHS

