



# CONSTRUCTION EQUIPMENT

## 9594 VOLVO L90G 3163 - TRANSMISSION (AUTO)



**Sample No:** VCP413785  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 9594



### SAMPLE INFORMATION

Sample Number	<b>VCP413785</b>	VCP360339	VCP242048	VCP219185
Sample Date	<b>15 Sep 2023</b>	20 May 2022	14 Mar 2019	24 May 2018
Machine Hours	<b>16208</b>	14701	12114	10637
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**IAA - INSURANCE AUTO AUCTIONS - BALTIMORE**  
 3131 HAWKINS POINT RD  
 BALTIMORE, MD  
 US 21226  
 Contact: Service Manager



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.0</b>	26.8	25.88	25.94
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T:  
F:



### CONTAMINATION

Silicon	ppm	<b>4</b>	3	5	5
Sodium	ppm	<b>3</b>	4	5	4
Potassium	ppm	<b>3</b>	0	6	<1

### 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>15</b>	32	36	32
Copper	ppm	<b>15</b>	37	80	▲ 94
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	<1	0	<1
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>0</b>	0	<1	<1
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>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>146</b>	148	198	226
Magnesium	ppm	<b>1</b>	1	3	3
Zinc	ppm	<b>20</b>	33	73	79
Phosphorus	ppm	<b>215</b>	200	240	253
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>81</b>	75	60	66

**Depot:** IAABAL  
**Unique No:** 10657977  
**Signed:** Don Baldrige  
**Report Date:** 22 Sep 2023



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## GRAPHS

