



# CONSTRUCTION EQUIPMENT

## SPM593757 WM HODGKIN VOLVO L90H 624824 - TRANSMISSION (AUTO)



**Sample No:** VCP399659  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** SPM593757 WM HODGKIN



### SAMPLE INFORMATION

Sample Number	<b>VCP399659</b>	VCP382909	VCP382900	VCP399974
Sample Date	<b>08 Aug 2023</b>	29 Jun 2023	08 Jun 2023	07 Jun 2023
Machine Hours	<b>9594</b>	9453	9431	9431
Oil Hours	<b>0</b>	22	0	0
Oil Changed	<b>Not Changd</b>	N/A	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>28.1</b>	28.0	29.9	31.5
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### CONTAMINATION

Silicon	ppm	<b>▲ 31</b>	13	5	7
Sodium	ppm	<b>8</b>	7	6	5
Potassium	ppm	<b>20</b>	14	<1	3



### WEAR METALS

Iron	ppm	<b>21</b>	9	52	56
Copper	ppm	<b>3</b>	3	191	169
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	0	7	9
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	<1	3	3
Nickel	ppm	<b>0</b>	0	<1	1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>5</b>	4	1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>77</b>	82	183	172
Magnesium	ppm	<b>&lt;1</b>	<1	40	38
Zinc	ppm	<b>9</b>	2	84	77
Phosphorus	ppm	<b>173</b>	185	268	243
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>69</b>	84	66	66

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO8885  
**Unique No:** 10616473  
**Signed:** Don Baldrige  
**Report Date:** 23 Aug 2023



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## GRAPHS

