



# CONSTRUCTION EQUIPMENT

X18011 WINSTON PLYWO VOLVO L90H 624926 - TRANSMISSION (AUTO)



**Sample No:** VCP445375  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** X18011 WINSTON PLYWO



## SAMPLE INFORMATION

Sample Number	<b>VCP445375</b>	VCE015539	VCE015527	VCE043883
Sample Date	<b>27 Feb 2024</b>	02 Oct 2022	02 Jun 2022	09 Dec 2021
Machine Hours	<b>8669</b>	6125	5180	3184
Oil Hours	<b>0</b>	0	1350	2
Oil Changed	<b>Not Changd</b>	N/A	Not Changd	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	SEVERE

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## OIL CONDITION

Visc @ 40°C	cSt	<b>36.9</b>	31.6	29.8	28.6
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	14	2	10
Sodium	ppm	<b>2</b>	5	0	20
Potassium	ppm	<b>0</b>	15	2	119

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>34</b>	235	10	536
Copper	ppm	<b>50</b>	56	16	10
Lead	ppm	<b>&lt;1</b>	3	0	0
Tin	ppm	<b>0</b>	0	2	<1
Aluminum	ppm	<b>2</b>	27	5	5
Chromium	ppm	<b>0</b>	<1	0	2
Molybdenum	ppm	<b>&lt;1</b>	2	<1	10
Nickel	ppm	<b>&lt;1</b>	1	0	4
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	<1	2
Manganese	ppm	<b>2</b>	9	<1	12
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>2254</b>	592	73	94
Magnesium	ppm	<b>20</b>	0	2	5
Zinc	ppm	<b>912</b>	274	7	186
Phosphorus	ppm	<b>814</b>	343	189	201
Barium	ppm	<b>0</b>	0	2	0
Boron	ppm	<b>84</b>	47	123	88

**Depot:** VOLVO8771  
**Unique No:** 10903867  
**Signed:** Don Baldrige  
**Report Date:** 04 Mar 2024



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## VOLVO GRAPHS

