



# CONSTRUCTION EQUIPMENT

687922 N AMERICAN VOLVO L150H 6491 - TRANSMISSION (AUTO)



**Sample No:** VCP447396  
**Oil Type:** VOLVO AT 102  
**Job No:** 687922 N AMERICAN



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## SAMPLE INFORMATION

Sample Number	<b>VCP447396</b>	VCP432366	VCP414712	VCP418283
Sample Date	<b>04 Apr 2024</b>	14 Dec 2023	14 Sep 2023	14 Jun 2023
Machine Hours	<b>6732</b>	6212	5645	4891
Oil Hours	<b>2000</b>	0	1645	1000
Oil Changed	<b>Not Changd</b>	N/A	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ATTENTION	NORMAL	NORMAL



## OIL CONDITION

Visc @ 40°C	cSt	<b>27.6</b>	27.5	27.6	30.8
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	5	5	4
Sodium	ppm	<b>&lt;1</b>	3	2	2
Potassium	ppm	<b>2</b>	1	<1	<1



## WEAR METALS

Iron	ppm	<b>169</b>	139	128	102
Copper	ppm	<b>8</b>	7	6	4
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	0	1
Chromium	ppm	<b>2</b>	1	1	<1
Molybdenum	ppm	<b>1</b>	0	<1	<1
Nickel	ppm	<b>1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>5</b>	4	4	3
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>78</b>	74	76	77
Magnesium	ppm	<b>2</b>	<1	2	0
Zinc	ppm	<b>10</b>	0	13	0
Phosphorus	ppm	<b>190</b>	185	180	187
Barium	ppm	<b>0</b>	0	3	0
Boron	ppm	<b>85</b>	69	74	73

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other 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.

**Depot:** VOLVO0093  
**Unique No:** 11019093  
**Signed:** Sean Felton  
**Report Date:** 10 May 2024



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## GRAPHS

