



# CONSTRUCTION EQUIPMENT

SWO-068173 VOLVO L150H 6814 - FRONT AXLE



**Sample No:** VCP435544  
**Oil Type:** VOLVO WB 101  
**Job No:** SWO-068173



## SAMPLE INFORMATION

Sample Number	<b>VCP435544</b>	VCP355476	VCP303043	VCP288645
Sample Date	<b>10 Dec 2023</b>	12 Jun 2022	08 Mar 2021	06 Oct 2020
Machine Hours	<b>7105</b>	5188	2676	3920
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>52.0</b>	46.0	48.5	39.6
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	10	16	13
Sodium	ppm	<b>0</b>	6	7	4
Potassium	ppm	<b>2</b>	0	5	8

## 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>50</b>	65	48	80
Copper	ppm	<b>14</b>	27	12	37
Lead	ppm	<b>0</b>	<1	0	2
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	1	2	<1
Chromium	ppm	<b>&lt;1</b>	2	1	3
Molybdenum	ppm	<b>9</b>	6	5	2
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>&lt;1</b>	2	1	4
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3504</b>	3094	3214	4406
Magnesium	ppm	<b>57</b>	46	48	8
Zinc	ppm	<b>1412</b>	1257	1350	1746
Phosphorus	ppm	<b>1255</b>	1082	1081	1398
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>90</b>	107	94	119

**Depot:** COWOXF  
**Unique No:** 10789038  
**Signed:** Wes Davis  
**Report Date:** 14 Dec 2023



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## GRAPHS

