



# CONSTRUCTION EQUIPMENT

## W14797 VOLVO L180H 5555 - L180H - FRONT AXLE



**Sample No:** VCP435129  
**Oil Type:** VOLVO WB 102  
**Job No:** W14797



### SAMPLE INFORMATION

Sample Number	<b>VCP435129</b>	VCP404683	VCP411472	VCP385641
Sample Date	<b>16 Oct 2023</b>	18 Jul 2023	10 Mar 2023	15 Nov 2022
Machine Hours	<b>3042</b>	2585	2008	1488
Oil Hours	<b>1000</b>	0	2000	500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>39.9</b>	40.0	40.1	40.4
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### CONTAMINATION

Silicon	ppm	<b>13</b>	11	16	15
Sodium	ppm	<b>5</b>	8	3	8
Potassium	ppm	<b>4</b>	<1	4	0

### 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>82</b>	80	102	69
Copper	ppm	<b>14</b>	9	7	4
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	1	2	2
Chromium	ppm	<b>2</b>	2	3	2
Molybdenum	ppm	<b>3</b>	3	4	2
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	4	6	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3796</b>	4002	4482	3713
Magnesium	ppm	<b>10</b>	10	13	12
Zinc	ppm	<b>1634</b>	1667	1768	1557
Phosphorus	ppm	<b>1410</b>	1346	1456	1221
Barium	ppm	<b>9</b>	0	0	0
Boron	ppm	<b>127</b>	127	135	119

**Depot:** VOLVO0080  
**Unique No:** 10709575  
**Signed:** Wes Davis  
**Report Date:** 24 Oct 2023



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## GRAPHS

