



# CONSTRUCTION EQUIPMENT

## W14312 VOLVO L180H 5555 - L180H - REAR AXLE



**Sample No:** VCP404691  
**Oil Type:** VOLVO WB 102  
**Job No:** W14312



### SAMPLE INFORMATION

Sample Number	<b>VCP404691</b>	VCP411477	VCP385642	---
Sample Date	<b>18 Jul 2023</b>	10 Mar 2023	15 Nov 2022	---
Machine Hours	<b>2585</b>	2008	1488	---
Oil Hours	<b>0</b>	0	500	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.0</b>	40.7	39.9	---
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### CONTAMINATION

Silicon	ppm	<b>12</b>	16	10	---
Sodium	ppm	<b>8</b>	3	8	---
Potassium	ppm	<b>1</b>	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>83</b>	98	54	---
Copper	ppm	<b>9</b>	6	4	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>1</b>	2	<1	---
Chromium	ppm	<b>2</b>	3	2	---
Molybdenum	ppm	<b>3</b>	4	2	---
Nickel	ppm	<b>0</b>	<1	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>4</b>	6	3	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3969</b>	4411	3666	---
Magnesium	ppm	<b>11</b>	12	12	---
Zinc	ppm	<b>1661</b>	1746	1537	---
Phosphorus	ppm	<b>1366</b>	1411	1206	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>132</b>	134	118	---

**Depot:** VOLVO0080  
**Unique No:** 10573602  
**Signed:** Wes Davis  
**Report Date:** 26 Jul 2023



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## GRAPHS

