



# CONSTRUCTION EQUIPMENT

W14566 VOLVO L180H 5363 - REAR AXLE



**Sample No:** VCP410530  
**Oil Type:** VOLVO WB 102  
**Job No:** W14566



## SAMPLE INFORMATION

Sample Number	<b>VCP410530</b>	VCP406908	VCP380811	VCP379534
Sample Date	<b>17 Aug 2023</b>	01 Jun 2023	08 Mar 2023	29 Dec 2022
Machine Hours	<b>4010</b>	3537	3023	2660
Oil Hours	<b>4000</b>	500	1000	500
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>39.3</b>	39.3	39.6	39.6
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## CONTAMINATION

Silicon	ppm	<b>12</b>	14	11	11
Sodium	ppm	<b>10</b>	10	9	10
Potassium	ppm	<b>2</b>	3	1	<1

## 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>96</b>	87	75	76
Copper	ppm	<b>28</b>	25	23	23
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	2	<1	1
Chromium	ppm	<b>3</b>	3	3	3
Molybdenum	ppm	<b>3</b>	3	3	3
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	4	4	4
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3896</b>	3951	3671	3671
Magnesium	ppm	<b>12</b>	12	10	12
Zinc	ppm	<b>1625</b>	1660	1509	1490
Phosphorus	ppm	<b>1309</b>	1365	1211	1183
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>126</b>	119	107	129

**Depot:** VOLVO0080  
**Unique No:** 10615786  
**Signed:** Sean Felton  
**Report Date:** 23 Aug 2023



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## VOLVO GRAPHS

