



# CONSTRUCTION EQUIPMENT

SWA560078-10 VOLVO L180H 5412 - FRONT AXLE



**Sample No:** VCP430321  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA560078-10



## SAMPLE INFORMATION

Sample Number	<b>VCP430321</b>	VCP442819	VCP396102	VCP374134
Sample Date	<b>16 May 2024</b>	07 Feb 2024	01 Feb 2023	18 Jun 2022
Machine Hours	<b>9182</b>	7046	6657	4250
Oil Hours	<b>6000</b>	0	6657	0
Oil Changed	<b>Not Chngd</b>	N/A	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**CALLANAN**  
 RT 32 677 FLATBUSH RD  
 EAST KINGSTON, NY  
 US 12401  
 Contact:



## OIL CONDITION

Visc @ 40°C	cSt	<b>41.7</b>	43.1	40.0	39.9
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T:  
F:



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>19</b>	15	16	18
Sodium	ppm	<b>0</b>	3	10	9
Potassium	ppm	<b>3</b>	0	<1	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>57</b>	104	195	90
Copper	ppm	<b>7</b>	4	11	8
Lead	ppm	<b>&lt;1</b>	0	1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	<1	<1	2
Chromium	ppm	<b>2</b>	2	7	4
Molybdenum	ppm	<b>2</b>	1	3	2
Nickel	ppm	<b>&lt;1</b>	0	2	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>1</b>	0	0	0
Manganese	ppm	<b>2</b>	3	9	7
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>4208</b>	3831	4332	3713
Magnesium	ppm	<b>16</b>	17	22	16
Zinc	ppm	<b>1726</b>	1562	1746	1588
Phosphorus	ppm	<b>1351</b>	1287	1243	1382
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>143</b>	140	150	130

**Depot:** CALEAS  
**Unique No:** 11048076  
**Signed:** Wes Davis  
**Report Date:** 29 May 2024



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## VOLVO GRAPHS

