



# CONSTRUCTION EQUIPMENT

SPM661220 VOLVO L180H 5412 - FRONT AXLE



**Sample No:** VCP442819  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM661220



## SAMPLE INFORMATION

Sample Number	VCP442819	VCP396102	VCP374134	VCP342751
Sample Date	07 Feb 2024	01 Feb 2023	18 Jun 2022	08 Dec 2021
Machine Hours	7046	6657	4250	3605
Oil Hours	0	6657	0	3600
Oil Changed	N/A	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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

## OIL CONDITION

Visc @ 40°C	cSt	43.1	40.0	39.9	40.0

T:  
F:

## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	16	18	13
Sodium	ppm	3	10	9	10
Potassium	ppm	0	<1	0	<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	104	195	90	88
Copper	ppm	4	11	8	8
Lead	ppm	0	1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	2	1
Chromium	ppm	2	7	4	3
Molybdenum	ppm	1	3	2	2
Nickel	ppm	0	2	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	3	9	7	5
Vanadium	ppm	0	0	0	0

## ADDITIVES

Calcium	ppm	3831	4332	3713	4055
Magnesium	ppm	17	22	16	17
Zinc	ppm	1562	1746	1588	1586
Phosphorus	ppm	1287	1243	1382	1308
Barium	ppm	0	0	0	0
Boron	ppm	140	150	130	147

**Depot:** CALEAS  
**Unique No:** 10873863  
**Signed:** Wes Davis  
**Report Date:** 13 Feb 2024



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## VOLVO GRAPHS

