



# CONSTRUCTION EQUIPMENT

D12689 VOLVO L70H 624717 - FRONT AXLE



**Sample No:** VCP418996  
**Oil Type:** VOLVO WB 102  
**Job No:** D12689



## SAMPLE INFORMATION

Sample Number	<b>VCP418996</b>	VCP418685	VCP381282	VCP419530
Sample Date	<b>08 Sep 2023</b>	04 Aug 2023	28 Jun 2023	24 May 2023
Machine Hours	<b>2966</b>	2770	2570	2349
Oil Hours	<b>617</b>	421	353	132
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>42.7</b>	42.7	42.4	42.9
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## CONTAMINATION

Silicon	ppm	<b>9</b>	19	18	18
Sodium	ppm	<b>3</b>	2	3	3
Potassium	ppm	<b>0</b>	<1	0	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>26</b>	71	61	56
Copper	ppm	<b>0</b>	<1	1	1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>1</b>	<1	<1	0
Chromium	ppm	<b>&lt;1</b>	2	2	2
Molybdenum	ppm	<b>&lt;1</b>	5	5	4
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	6	6	6
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3325</b>	3825	3683	3712
Magnesium	ppm	<b>14</b>	16	16	20
Zinc	ppm	<b>1472</b>	1581	1488	1519
Phosphorus	ppm	<b>1301</b>	1231	1199	1224
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>106</b>	137	135	148

**Depot:** VOLVO0069  
**Unique No:** 10647708  
**Signed:** Wes Davis  
**Report Date:** 18 Sep 2023



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## VOLVO GRAPHS

