



# CONSTRUCTION EQUIPMENT

## D12894 WM VOLVO L70H 624717 - FRONT AXLE



**Sample No:** VCP429536  
**Oil Type:** VOLVO WB 102  
**Job No:** D12894 WM



### SAMPLE INFORMATION

Sample Number	<b>VCP429536</b>	VCP418996	VCP418685	VCP381282
Sample Date	<b>19 Oct 2023</b>	08 Sep 2023	04 Aug 2023	28 Jun 2023
Machine Hours	<b>3224</b>	2966	2770	2570
Oil Hours	<b>258</b>	617	421	353
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.0</b>	42.7	42.7	42.4
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### CONTAMINATION

Silicon	ppm	<b>13</b>	9	19	18
Sodium	ppm	<b>&lt;1</b>	3	2	3
Potassium	ppm	<b>0</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>10</b>	26	71	61
Copper	ppm	<b>1</b>	0	<1	1
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>1</b>	1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	2	2
Molybdenum	ppm	<b>8</b>	<1	5	5
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	6	6
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3907</b>	3325	3825	3683
Magnesium	ppm	<b>23</b>	14	16	16
Zinc	ppm	<b>1577</b>	1472	1581	1488
Phosphorus	ppm	<b>1248</b>	1301	1231	1199
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>139</b>	106	137	135

**Depot:** VOLVO0069  
**Unique No:** 10711077  
**Signed:** Wes Davis  
**Report Date:** 25 Oct 2023



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## GRAPHS

