



# CONSTRUCTION EQUIPMENT

## SPM579504 WASTE MGMT VOLVO L70H 622630 - FRONT AXLE



**Sample No:** VCP417719  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM579504 WASTE MGMT



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### SAMPLE INFORMATION

Sample Number	<b>VCP417719</b>	VCP405120	VCP393312	VCP369978
Sample Date	<b>07 Jul 2023</b>	03 Apr 2023	10 Feb 2023	19 Oct 2022
Machine Hours	<b>10741</b>	9826	9322	8886
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>44.6</b>	44.6	45.8	42.2
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### CONTAMINATION

Water	%	---	---	<b>0.289</b>	---
Silicon	ppm	<b>14</b>	17	15	9
Sodium	ppm	<b>4</b>	4	5	6
Potassium	ppm	<b>0</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>64</b>	55	52	30
Copper	ppm	<b>0</b>	2	3	2
Lead	ppm	<b>0</b>	0	1	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	<1	1	1
Chromium	ppm	<b>1</b>	<1	1	<1
Molybdenum	ppm	<b>2</b>	2	2	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	2	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3648</b>	3750	3644	3762
Magnesium	ppm	<b>24</b>	31	25	23
Zinc	ppm	<b>1580</b>	1571	1435	1524
Phosphorus	ppm	<b>1252</b>	1226	1165	1281
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>123</b>	129	138	132

### 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.

**Depot:** VOLVO0093  
**Unique No:** 10552333  
**Signed:** Wes Davis  
**Report Date:** 13 Jul 2023



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## VOLVO GRAPHS

