



# CONSTRUCTION EQUIPMENT

## SPM579499 WASTE MGMT VOLVO L90H 624438 - FRONT AXLE



**Sample No:** VCP417659  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM579499 WASTE MGMT



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233



### SAMPLE INFORMATION

Sample Number	<b>VCP417659</b>	VCP422231	VCP405135	VCP393314
Sample Date	<b>10 Jul 2023</b>	16 May 2023	03 Apr 2023	10 Feb 2023
Machine Hours	<b>11301</b>	10627	10330	9322
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	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	42.8	43.4	52.7
-------------	-----	-------------	------	------	------



### CONTAMINATION

Silicon	ppm	<b>14</b>	15	14	15
Sodium	ppm	<b>2</b>	1	<1	3
Potassium	ppm	<b>&lt;1</b>	<1	0	0



### WEAR METALS

Iron	ppm	<b>136</b>	105	87	61
Copper	ppm	<b>2</b>	<1	0	<1
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	1	0	<1
Aluminum	ppm	<b>2</b>	2	<1	0
Chromium	ppm	<b>2</b>	2	<1	1
Molybdenum	ppm	<b>1</b>	1	2	1
Nickel	ppm	<b>1</b>	2	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	2	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4305</b>	4047	4029	3539
Magnesium	ppm	<b>15</b>	26	26	20
Zinc	ppm	<b>1648</b>	1685	1593	1395
Phosphorus	ppm	<b>1323</b>	1324	1225	1100
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>148</b>	122	131	135

### 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:** 10564000  
**Signed:** Wes Davis  
**Report Date:** 20 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

