



# CONSTRUCTION EQUIPMENT

674462 MOSAIC VOLVO L110H 12152 - FRONT AXLE



**Sample No:** VCP454107  
**Oil Type:** VOLVO WB 102  
**Job No:** 674462 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
8418 PALM RIVER ROAD  
TAMPA, FL  
US 33619  
Contact: JOHN FARDELLA  
john.fardella@altg.com  
T: (813)630-0077  
F: (813)630-2233



## SAMPLE INFORMATION

Sample Number	<b>VCP454107</b>	VCP417306	VCP375935	VCP319323
Sample Date	<b>16 Feb 2024</b>	27 Jun 2023	17 Jun 2022	30 Sep 2021
Machine Hours	<b>6265</b>	5254	3496	2308
Oil Hours	<b>2000</b>	1000	1000	1500
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	NORMAL



## OIL CONDITION

Visc @ 40°C	cSt	<b>42.5</b>	47.1	170	39.5
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	10	3	11
Sodium	ppm	<b>2</b>	<1	1	11
Potassium	ppm	<b>0</b>	0	1	0



## WEAR METALS

Iron	ppm	<b>111</b>	108	97	208
Copper	ppm	<b>0</b>	0	<1	1
Lead	ppm	<b>0</b>	0	<1	1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	1	<1	<1
Chromium	ppm	<b>2</b>	3	2	5
Molybdenum	ppm	<b>3</b>	4	3	6
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	1	<1
Manganese	ppm	<b>4</b>	4	3	8
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2868</b>	3492	1038	3015
Magnesium	ppm	<b>13</b>	17	21	8
Zinc	ppm	<b>1174</b>	1498	481	1389
Phosphorus	ppm	<b>1074</b>	1273	1072	744
Barium	ppm	<b>0</b>	0	2	0
Boron	ppm	<b>83</b>	101	143	97

## 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:** 10896976  
**Signed:** Wes Davis  
**Report Date:** 26 Feb 2024



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## GRAPHS

