



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 05632247 - FRONT AXLE



**Sample No:** VCP436453  
**Oil Type:** VALVOLINE ALLFLEET 10W  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP436453</b>	VCP438680	VCP407353	VCP407140
Sample Date	<b>09 Apr 2024</b>	12 Feb 2024	16 Oct 2023	09 Aug 2023
Machine Hours	<b>6919</b>	0	5396	4793
Oil Hours	<b>1523</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

**CITY CARTING**  
 221 OLD GATE LN  
 MILFORD, CT  
 US 06460  
 Contact: JOHN LINARES  
 jlinares@win-waste.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	46.9	42.8	42.6
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	13	14	13
Sodium	ppm	<b>&lt;1</b>	0	2	<1
Potassium	ppm	<b>0</b>	2	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>53</b>	37	77	66
Copper	ppm	<b>0</b>	<1	<1	0
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	2	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	2	1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	2
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	<1	3	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4286</b>	3768	4037	4110
Magnesium	ppm	<b>26</b>	20	18	19
Zinc	ppm	<b>1714</b>	1594	1663	1677
Phosphorus	ppm	<b>1464</b>	1280	1309	1284
Barium	ppm	<b>0</b>	10	0	0
Boron	ppm	<b>148</b>	121	136	144

**Depot:** CITMILCON  
**Unique No:** 10980890  
**Signed:** Sean Felton  
**Report Date:** 18 Apr 2024



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## VOLVO GRAPHS

