



# CONSTRUCTION EQUIPMENT

## VOLVO L120H 632105 - REAR AXLE



**Sample No:** VCP444338  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP444338</b>	VCP417112	VCP385269	VCP354100
Sample Date	<b>24 Apr 2024</b>	07 Jun 2023	14 Nov 2022	23 Jun 2022
Machine Hours	<b>19559</b>	18030	16686	1020
Oil Hours	<b>0</b>	8000	8000	1500
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**OLDCASTLE LAWN AND GARDEN**  
 2427 RWS RANCH RD  
 DAVENPORT, FL  
 US 33837  
 Contact: DAVID ORTIZ  
 david.ortiz@oldcastle.com  
 T: (800)833-2984  
 F: (863)421-1776



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.7</b>	41.2	40.3	39.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	14	12	12
Sodium	ppm	<b>2</b>	0	2	10
Potassium	ppm	<b>1</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>20</b>	227	171	161
Copper	ppm	<b>3</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	0	1	<1
Tin	ppm	<b>&lt;1</b>	0	2	<1
Aluminum	ppm	<b>1</b>	0	5	2
Chromium	ppm	<b>&lt;1</b>	3	3	4
Molybdenum	ppm	<b>&lt;1</b>	<1	2	11
Nickel	ppm	<b>0</b>	1	1	<1
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	3	2	8
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4147</b>	4144	3763	3884
Magnesium	ppm	<b>14</b>	13	16	12
Zinc	ppm	<b>1646</b>	1636	1531	1543
Phosphorus	ppm	<b>1348</b>	1331	1213	1235
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>133</b>	139	115	145

**Depot:** GREDAVFL  
**Unique No:** 11057885  
**Signed:** Wes Davis  
**Report Date:** 31 May 2024



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## VOLVO GRAPHS

