



# CONSTRUCTION EQUIPMENT

310706 IAA VOLVO L90H 623595 - FRONT AXLE



**Sample No:** VCP407744  
**Oil Type:** VOLVO WB 102  
**Job No:** 310706 IAA



## SAMPLE INFORMATION

Sample Number	<b>VCP407744</b>	VCP306864	VCP288418	VCP266087
Sample Date	<b>19 Jul 2023</b>	11 Feb 2021	15 Oct 2020	20 May 2020
Machine Hours	<b>12919</b>	8149	7614	6979
Oil Hours	<b>0</b>	4000	3614	3000
Oil Changed	<b>N/A</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

## ALTA EQUIPMENT

5985 COURT STREET ROAD  
SYRACUSE, NY  
US 13206  
Contact: JIM STRIGLE  
JIM.STRIGLE@ALTG.COM  
T: (315)437-2611  
F: (315)434-9471



## OIL CONDITION

Visc @ 40°C	cSt	<b>42.6</b>	40.5	39.7	39.6
-------------	-----	-------------	------	------	------



## CONTAMINATION

Silicon	ppm	<b>13</b>	9	9	12
Sodium	ppm	<b>3</b>	6	1	3
Potassium	ppm	<b>0</b>	2	1	0



## WEAR METALS

Iron	ppm	<b>12</b>	11	22	18
Copper	ppm	<b>2</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>4122</b>	4088	4306	4241
Magnesium	ppm	<b>16</b>	12	10	11
Zinc	ppm	<b>1569</b>	1522	1604	1638
Phosphorus	ppm	<b>1290</b>	1323	1388	1353
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>157</b>	131	167	123

## 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:** VOLVO0142  
**Unique No:** 10572456  
**Signed:** Wes Davis  
**Report Date:** 25 Jul 2023

**VOLVO** **GRAPHS**

