



# CONSTRUCTION EQUIPMENT

SPM619898 VOLVO L90H 625 106 - REAR AXLE



**Sample No:** VCP415282  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM619898



## SAMPLE INFORMATION

Sample Number	<b>VCP415282</b>	VCP354482	VCP391108	VCP374562
Sample Date	<b>12 Oct 2023</b>	22 Aug 2023	27 Sep 2022	09 Jun 2022
Machine Hours	<b>5121</b>	4106	2921	2330
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

## UNITED SCRAP

1545 S CICERO AVE  
 CICERO, IL  
 US 60804  
 Contact: RON LUCHTENBURG  
 rluchten@unitedscrap.com  
 T:  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>49.3</b>	42.4	43.1	37.9
-------------	-----	-------------	------	------	------



## CONTAMINATION

Silicon	ppm	<b>15</b>	14	12	14
Sodium	ppm	<b>0</b>	4	<1	9
Potassium	ppm	<b>&lt;1</b>	<1	2	0



## WEAR METALS

Iron	ppm	<b>0</b>	33	11	85
Copper	ppm	<b>0</b>	2	<1	17
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	1	<1	2
Aluminum	ppm	<b>&lt;1</b>	1	2	1
Chromium	ppm	<b>0</b>	1	<1	4
Molybdenum	ppm	<b>0</b>	<1	<1	3
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	1	8
Vanadium	ppm	<b>0</b>	<1	<1	0



## ADDITIVES

Calcium	ppm	<b>2839</b>	4008	4034	3849
Magnesium	ppm	<b>16</b>	19	14	11
Zinc	ppm	<b>1317</b>	1628	1682	1547
Phosphorus	ppm	<b>1123</b>	1277	1317	1268
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	160	136	138

## 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:** UNICICIL  
**Unique No:** 10713400  
**Signed:** Wes Davis  
**Report Date:** 27 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

