



# CONSTRUCTION EQUIPMENT

SWA510624 SILICA VOLVO L350F 1931 - REAR AXLE



**Sample No:** VCP439348  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA510624 SILICA



## SAMPLE INFORMATION

Sample Number	<b>VCP439348</b>	VCP396902	VCP367289	VCP371750
Sample Date	<b>04 Apr 2024</b>	18 May 2023	03 Nov 2022	04 Aug 2022
Machine Hours	<b>14921</b>	14181	12530	11999
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA CONSTRUCTION EQUIPMENT**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>41.04</b>	43.0	43.3	42.5
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	11	12	10
Sodium	ppm	<b>1</b>	<1	2	4
Potassium	ppm	<b>0</b>	0	0	2

## 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>60</b>	50	24	92
Copper	ppm	<b>4</b>	1	2	6
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	5	1	2
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	0	1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>1</b>	0	<1	2
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>3614</b>	3629	4032	3174
Magnesium	ppm	<b>12</b>	18	20	11
Zinc	ppm	<b>1418</b>	1648	1694	1465
Phosphorus	ppm	<b>1145</b>	1291	1289	1217
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>36</b>	112	138	101

**Depot:** VOLVO5055  
**Unique No:** 10968566  
**Signed:** Jonathan Hester  
**Report Date:** 15 Apr 2024



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## VOLVO GRAPHS

