



# CONSTRUCTION EQUIPMENT

S50601654 IAA VOLVO L90G 3938 - REAR AXLE



**Sample No:** VCP439443  
**Oil Type:** VOLVO WB 102  
**Job No:** S50601654 IAA



## SAMPLE INFORMATION

Sample Number	<b>VCP439443</b>	VCP293581	VCP214633	---
Sample Date	<b>18 Jan 2024</b>	11 Feb 2021	22 Jan 2018	---
Machine Hours	<b>16000</b>	13059	8125	---
Oil Hours	<b>0</b>	13059	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### VCES- VOLVO CONSTRUCTION EQUIPMENT

1944 MARINA BLVD  
SAN LEANDRO, CA  
US 94577

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## OIL CONDITION

Visc @ 40°C	cSt	<b>42.9</b>	39.0	39.66	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>19</b>	12	15	---
Sodium	ppm	<b>0</b>	1	2	---
Potassium	ppm	<b>2</b>	0	0	---



## WEAR METALS

Iron	ppm	<b>93</b>	355	72	---
Copper	ppm	<b>10</b>	12	3	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>1</b>	1	<1	---
Chromium	ppm	<b>&lt;1</b>	4	<1	---
Molybdenum	ppm	<b>&lt;1</b>	0	0	---
Nickel	ppm	<b>&lt;1</b>	2	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	3	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>4090</b>	652	3969	---
Magnesium	ppm	<b>17</b>	2	11	---
Zinc	ppm	<b>1650</b>	599	1620	---
Phosphorus	ppm	<b>1304</b>	539	1413	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>142</b>	16	117	---

## 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:** VOLVO4487  
**Unique No:** 10845894  
**Signed:** Wes Davis  
**Report Date:** 24 Jan 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

