



# CONSTRUCTION EQUIPMENT

608208 IHFT VOLVO L180G 19890 - FRONT AXLE



**Sample No:** VCP431435  
**Oil Type:** VOLVO WB 102  
**Job No:** 608208 IHFT



## SAMPLE INFORMATION

Sample Number	<b>VCP431435</b>	VCP335800	VCP254770	---
Sample Date	<b>30 Nov 2023</b>	24 Sep 2021	09 Oct 2019	---
Machine Hours	<b>24449</b>	21859	18203	---
Oil Hours	<b>2000</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>39.4</b>	39.3	40.4	---
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## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>7</b>	6	10	---
Sodium	ppm	<b>1</b>	2	2	---
Potassium	ppm	<b>1</b>	1	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>13</b>	15	34	---
Copper	ppm	<b>0</b>	<1	<1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>1</b>	4	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>3033</b>	3704	3601	---
Magnesium	ppm	<b>23</b>	8	14	---
Zinc	ppm	<b>1425</b>	1519	1498	---
Phosphorus	ppm	<b>1266</b>	1238	1175	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>40</b>	113	101	---

**Depot:** VOLVO2990  
**Unique No:** 10779559  
**Signed:** Don Baldrige  
**Report Date:** 12 Dec 2023



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## GRAPHS

