



# CONSTRUCTION EQUIPMENT

## VOLVO L180H 5035 - REAR AXLE



**Sample No:** VCP400676  
**Oil Type:** VOLVO WB 101  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP400676</b>	VCP337366	VCP280157	---
Sample Date	<b>24 Oct 2023</b>	16 Aug 2021	20 Jul 2020	---
Machine Hours	<b>11898</b>	6535	4264	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Chngd	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	42.4	41.4	---
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### CONTAMINATION

Silicon	ppm	<b>16</b>	11	10	---
Sodium	ppm	<b>0</b>	7	2	---
Potassium	ppm	<b>3</b>	1	0	---



### WEAR METALS

Iron	ppm	<b>64</b>	70	72	---
Copper	ppm	<b>&lt;1</b>	2	20	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>1</b>	0	<1	---
Chromium	ppm	<b>&lt;1</b>	2	<1	---
Molybdenum	ppm	<b>&lt;1</b>	6	<1	---
Nickel	ppm	<b>&lt;1</b>	<1	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	2	2	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3960</b>	4274	3520	---
Magnesium	ppm	<b>15</b>	19	5	---
Zinc	ppm	<b>1557</b>	1515	1479	---
Phosphorus	ppm	<b>1323</b>	1350	1293	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>142</b>	167	100	---

### 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:** VOLVO0090  
**Unique No:** 10713951  
**Signed:** Wes Davis  
**Report Date:** 27 Oct 2023



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## GRAPHS

