



# CONSTRUCTION EQUIPMENT

## VOLVO L180H 1156 - REAR AXLE



**Sample No:** VCP0007965  
**Oil Type:** TDTO FLUID SAE 10W  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007965</b>	VCP0002556	VCP362456	---
Sample Date	<b>28 Nov 2023</b>	26 Jul 2022	04 Apr 2022	---
Machine Hours	<b>10299</b>	4216	2852	---
Oil Hours	<b>10299</b>	4216	2852	---
Oil Changed	<b>N/A</b>	N/A	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>45.7</b>	41.8	44.0	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>8</b>	12	9	---
Sodium	ppm	<b>2</b>	7	7	---
Potassium	ppm	<b>&lt;1</b>	2	<1	---

### 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>24</b>	60	11	---
Copper	ppm	<b>&lt;1</b>	2	<1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>&lt;1</b>	1	1	---
Chromium	ppm	<b>&lt;1</b>	1	<1	---
Molybdenum	ppm	<b>0</b>	1	2	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>&lt;1</b>	1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1984</b>	3932	3961	---
Magnesium	ppm	<b>12</b>	21	33	---
Zinc	ppm	<b>1017</b>	1611	1528	---
Phosphorus	ppm	<b>821</b>	1261	1252	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>56</b>	144	117	---

**Depot:** VOLVO0092  
**Unique No:** 10766353  
**Signed:** Don Baldrige  
**Report Date:** 04 Dec 2023



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## GRAPHS

