



# CONSTRUCTION EQUIPMENT

3495BR VOLVO L180F 11639 - FRONT AXLE



**Sample No:** VCP415390  
**Oil Type:** TDTO FLUID SAE 10W  
**Job No:** 3495BR



## SAMPLE INFORMATION

Sample Number	VCP415390	---	---	---
Sample Date	05 Sep 2023	---	---	---
Machine Hours	14979	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**HIGHWAY EQUIPMENT AND SUPPLY CO**  
 200 BURKHOLDER DR.  
 EPHRATA, PA  
 US 17522  
 Contact: CHAD HERRON  
 chad@hwyequip.com  
 T: (717)859-3132  
 F: (717)859-2698



## OIL CONDITION

Visc @ 40°C	cSt	█ 46.6	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 87	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1936	---	---	---
Magnesium	ppm	█ 21	---	---	---
Zinc	ppm	█ 954	---	---	---
Phosphorus	ppm	█ 768	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 63	---	---	---

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDTO FLUID SAE 10W. Please confirm.

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:** INSEPH  
**Unique No:** 10635546  
**Signed:** Wes Davis  
**Report Date:** 08 Sep 2023



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## VOLVO GRAPHS

