



# CONSTRUCTION EQUIPMENT

X58584 VOLVO L220H 003442 - REAR AXLE



**Sample No:** VCP426323  
**Oil Type:** TDTO FLUID SAE 20  
**Job No:** X58584



## SAMPLE INFORMATION

Sample Number	VCP426323	VCP384445	---	---
Sample Date	21 Sep 2023	30 Mar 2023	---	---
Machine Hours	4161	2097	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 54.7	█ 40.0	---	---
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## CONTAMINATION

Silicon	ppm	█ 11	█ 12	---	---
Sodium	ppm	█ 1	█ 11	---	---
Potassium	ppm	█ 1	█ <1	---	---



## WEAR METALS

Iron	ppm	█ 27	█ 40	---	---
Copper	ppm	█ 2	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ 1	█ 2	---	---
Molybdenum	ppm	█ 1	3	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	4	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 3494	3882	---	---
Magnesium	ppm	█ 10	15	---	---
Zinc	ppm	█ 1265	1629	---	---
Phosphorus	ppm	█ 1108	1316	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 29	130	---	---

## 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 20. 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:** SCOSAI  
**Unique No:** 10662674  
**Signed:** Wes Davis  
**Report Date:** 27 Sep 2023



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## GRAPHS

