



# CONSTRUCTION EQUIPMENT

## SWA300873-20 EP JANS VOLVO L20H 1220271 - FRONT AXLE



**Sample No:** VCP417799  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** SWA300873-20 EP JANS



### SAMPLE INFORMATION

Sample Number	VCP417799	VCP372740	---	---
Sample Date	19 Jul 2023	07 Nov 2022	---	---
Machine Hours	1981	1228	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
 Contact: JIM STRIGLE  
 JIM.STRIGLE@ALTG.COM  
 T: (315)437-2611  
 F: (315)434-9471



### OIL CONDITION

Visc @ 40°C	cSt	53.3	54.0	---	---
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### CONTAMINATION

Silicon	ppm	170	14	---	---
Sodium	ppm	15	14	---	---
Potassium	ppm	2	4	---	---



### WEAR METALS

Iron	ppm	657	334	---	---
Copper	ppm	1	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	13	2	---	---
Chromium	ppm	9	5	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	2	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	21	22	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	3137	3683	---	---
Magnesium	ppm	4	11	---	---
Zinc	ppm	1257	1445	---	---
Phosphorus	ppm	967	1112	---	---
Barium	ppm	0	0	---	---
Boron	ppm	112	108	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

**Depot:** VOLV00142  
**Unique No:** 10577007  
**Signed:** Don Baldrige  
**Report Date:** 31 Jul 2023



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## GRAPHS

