



# CONSTRUCTION EQUIPMENT

SWA300873-20 CP JANS VOLVO L20H 1220271 - DIESEL ENGINE



**Sample No:** VCP417801  
**Oil Type:** VOLVO VDS-4.5 Premium Motor Oil 15W40  
**Job No:** SWA300873-20 CP JANS



## SAMPLE INFORMATION

Sample Number	VCP417801	VCP369759	---	---
Sample Date	19 Jul 2023	07 Nov 2022	---	---
Machine Hours	1981	1278	---	---
Oil Hours	0	600	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	█ 12.3	---	---
Base Number (BN)	mg KOH/g	█ 9.7	█ 10.1	---	---
Oxidation (PA)	%	84	92	---	---

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



## CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	77	89	---	---
Sulfation (PA)	%	59	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 6	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 2	█ 2	---	---



## WEAR METALS

Iron	ppm	█ 6	█ 8	---	---
Copper	ppm	█ 1	█ 3	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 45	█ 42	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 1764	█ 1719	---	---
Magnesium	ppm	█ 584	█ 488	---	---
Zinc	ppm	█ 1219	█ 1132	---	---
Phosphorus	ppm	█ 980	█ 919	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 50	█ 43	---	---

**Depot:** VOLV00142  
**Unique No:** 10576311  
**Signed:** Wes Davis  
**Report Date:** 28 Jul 2023



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## GRAPHS

