



# CONSTRUCTION EQUIPMENT

SPM620711 VOLVO L70H 624047 - DIESEL ENGINE



**Sample No:** VCP425303  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM620711



## SAMPLE INFORMATION

Sample Number	VCP425303	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	1920	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	84	---	---	---

## CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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 acceptable for the time in service.

## WEAR METALS

Iron	ppm	█ 48	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	▲ 35	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1535	---	---	---
Magnesium	ppm	█ 549	---	---	---
Zinc	ppm	█ 1145	---	---	---
Phosphorus	ppm	█ 967	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 33	---	---	---

**Depot:** VOLVO8885  
**Unique No:** 10712817  
**Signed:** Sean Felton  
**Report Date:** 30 Oct 2023



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## GRAPHS

