



# CONSTRUCTION EQUIPMENT

## SPM634755 VIL OF ALS VOLVO L60H 62240 - DIESEL ENGINE



**Sample No:** VCP420165  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM634755 VIL OF ALS



### SAMPLE INFORMATION

Sample Number	VCP420165	VCP320777	---	---
Sample Date	30 Nov 2023	14 Oct 2021	---	---
Machine Hours	1232	428	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	MARGINAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	70	68	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.



### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.4	█ 0.2	---	---
Nitration (PA)	%	78	69	---	---
Sulfation (PA)	%	55	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 3.8	<1.0	---	---
Silicon	ppm	█ 11	█ 22	---	---
Sodium	ppm	█ 2	█ 4	---	---
Potassium	ppm	█ 2	█ 0	---	---



### WEAR METALS

Iron	ppm	█ 21	█ 21	---	---
Copper	ppm	█ 3	█ 8	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 2	█ 0	---	---
Aluminum	ppm	█ 21	█ 14	---	---
Chromium	ppm	█ 2	█ 1	---	---
Molybdenum	ppm	█ 53	█ 22	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ 4	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 986	█ 1445	---	---
Magnesium	ppm	█ 832	█ 647	---	---
Zinc	ppm	█ 1135	█ 970	---	---
Phosphorus	ppm	█ 845	█ 860	---	---
Barium	ppm	█ 11	█ <1	---	---
Boron	ppm	█ 5	█ 54	---	---

**Depot:** VOLVO8885  
**Unique No:** 10882809  
**Signed:** Doug Bogart  
**Report Date:** 19 Feb 2024



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## GRAPHS

