



# CONSTRUCTION EQUIPMENT

SPM565669 AM TERM VOLVO L60H 62214 - DIESEL ENGINE



**Sample No:** VCP423140  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM565669 AM TERM



## SAMPLE INFORMATION

Sample Number	VCP423140	---	---	---
Sample Date	13 Jun 2023	---	---	---
Machine Hours	1046	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	▲ 10.8	---	---	---
Base Number (BN)	mg KOH/g	■ 8.9	---	---	---
Oxidation (PA)	%	■ 89	---	---	---



## CONTAMINATION

Soot %	%	■ 0.8	---	---	---
Nitration (PA)	%	■ 99	---	---	---
Sulfation (PA)	%	■ 65	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	● 10.4	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	■ 43	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	▲ 14	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 34	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---



## ADDITIVES

Calcium	ppm	■ 1470	---	---	---
Magnesium	ppm	■ 480	---	---	---
Zinc	ppm	■ 1043	---	---	---
Phosphorus	ppm	■ 836	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 39	---	---	---

## Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Aluminum ppm levels are abnormal. Piston wear is indicated. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO8885  
**Unique No:** 10548409  
**Signed:** Wes Davis  
**Report Date:** 11 Jul 2023



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## GRAPHS

