



# CONSTRUCTION EQUIPMENT

SWO068933 IAA VOLVO L90H 626710 - DIESEL ENGINE



**Sample No:** VCP442211  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** SWO068933 IAA



**COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE**  
15101 ALABAMA HWY 20  
MADISON, AL  
US 35756  
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## SAMPLE INFORMATION

Sample Number	VCP442211	---	---	---
Sample Date	31 Jan 2024	---	---	---
Machine Hours	1053	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	80	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 1755	---	---	---
Magnesium	ppm	█ 520	---	---	---
Zinc	ppm	█ 1172	---	---	---
Phosphorus	ppm	█ 1000	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 32	---	---	---

## 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.

**Depot:** COWMAD  
**Unique No:** 10869225  
**Signed:** Angela Borella  
**Report Date:** 08 Feb 2024



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## GRAPHS

