



# CONSTRUCTION EQUIPMENT

63656 RUTLEDGE VOLVO L60H 622461 - DIESEL ENGINE



**Sample No:** VCP418048  
**Oil Type:** NOT GIVEN  
**Job No:** 63656 RUTLEDGE



**COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE**  
15101 ALABAMA HWY 20  
MADISON, AL  
US 35756  
Contact: RANDY HARRIS  
RHARRIS@COWIN.COM  
T: (256)298-2322  
F: (256)355-5250



## SAMPLE INFORMATION

Sample Number	VCP418048	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	2081	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.6	---	---	---
Oxidation (PA)	%	66	---	---	---



## CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 6	---	---	---



## WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 2351	---	---	---
Magnesium	ppm	█ 30	---	---	---
Zinc	ppm	█ 1244	---	---	---
Phosphorus	ppm	█ 1014	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 213	---	---	---

## 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:** 10563378  
**Signed:** Jonathan Hester  
**Report Date:** 20 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

