



# CONSTRUCTION EQUIPMENT

S50402147 VOLVO L90H 626383 - DIESEL ENGINE



**Sample No:** VCP412869  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** S50402147



## SAMPLE INFORMATION

Sample Number	VCP412869	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	480	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

IAA - INSURANCE AUTO AUCTIONS - WESTCHESTER VC  
 2 WESTBROOK CORPORATE CENTER STE. 5  
 WESTCHESTER, IL  
 US 60154  
 Contact: BILLY BUTLER



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 10.2	---	---	---
Oxidation (PA)	%	73	---	---	---

T: (404)275-6868  
 F:

## Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---



## WEAR METALS

Iron	ppm	█ 40	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 19	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1493	---	---	---
Magnesium	ppm	█ 572	---	---	---
Zinc	ppm	█ 1090	---	---	---
Phosphorus	ppm	█ 969	---	---	---
Barium	ppm	█ 17	---	---	---
Boron	ppm	█ 48	---	---	---

**Depot:** INSWES  
**Unique No:** 10790354  
**Signed:** Wes Davis  
**Report Date:** 15 Dec 2023



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## GRAPHS

