



# CONSTRUCTION EQUIPMENT

SPM593813 VOLVO L90E 2800Z - DIESEL ENGINE



**Sample No:** VCP415245  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM593813



## SAMPLE INFORMATION

Sample Number	VCP415245	VCP377918	---	---
Sample Date	25 Aug 2023	24 May 2022	---	---
Machine Hours	22201	20455	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**VICTORY AUTO WRECKERS**  
 710 EAST GREEN STREET  
 BENSENVILLE, IL  
 US 60196  
 Contact: SERVICE MANAGER

## OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	█ 14.1	---	---
Base Number (BN)	mg KOH/g	█ 8.6	█ 9.1	---	---
Oxidation (PA)	%	73	88	---	---

T: (630)860-2000  
 F:

## 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.

## CONTAMINATION

Soot %	%	█ 0.4	█ 0.4	---	---
Nitration (PA)	%	81	73	---	---
Sulfation (PA)	%	59	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ <1	█ 2	---	---

## WEAR METALS

Iron	ppm	█ 10	█ 8	---	---
Copper	ppm	█ 2	█ <1	---	---
Lead	ppm	█ 1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 59	█ 38	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 1127	█ 1738	---	---
Magnesium	ppm	█ 995	█ 459	---	---
Zinc	ppm	█ 1337	█ 968	---	---
Phosphorus	ppm	█ 1029	█ 775	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 2	█ 50	---	---

**Depot:** VICBEN  
**Unique No:** 10632427  
**Signed:** Wes Davis  
**Report Date:** 05 Sep 2023



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## GRAPHS

