



# CONSTRUCTION EQUIPMENT

038767 VOLVO L90H 623587 - DIESEL ENGINE



**Sample No:** VCP127109  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 038767



## SAMPLE INFORMATION

Sample Number	VCP127109	VCP270324	---	---
Sample Date	19 Mar 2024	16 Feb 2021	---	---
Machine Hours	14001	8465	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	---	99.0	---	---
Visc @ 100°C	cSt	12.6	13.36	---	---
Viscosity Index (VI)	Scale	---	133	---	---
Base Number (BN)	mg KOH/g	9.8	---	---	---
Oxidation (PA)	%	82	86	---	---

## 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

Water	%	NEG	NEG	---	---
Soot %	%	0.4	0.4	---	---
Nitration (PA)	%	60	63	---	---
Sulfation (PA)	%	61	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	6	---	---
Sodium	ppm	<1	3	---	---
Potassium	ppm	1	1	---	---

## WEAR METALS

Iron	ppm	6	6	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	42	37	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	1713	1652	---	---
Magnesium	ppm	505	488	---	---
Zinc	ppm	1175	1084	---	---
Phosphorus	ppm	1014	924	---	---
Barium	ppm	0	0	---	---
Boron	ppm	48	42	---	---

**Depot:** VOLVO0072  
**Unique No:** 10940254  
**Signed:** Wes Davis  
**Report Date:** 22 Mar 2024



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## GRAPHS

