



# CONSTRUCTION EQUIPMENT

527926-20 VOLVO L90H 627131 - DIESEL ENGINE



**Sample No:** VCP446077  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 527926-20



## SAMPLE INFORMATION

Sample Number	VCP446077	---	---	---
Sample Date	04 Apr 2024	---	---	---
Machine Hours	755	---	---	---
Oil Hours	755	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	76	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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 acceptable for the time in service.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 37	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 78	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 35	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1716	---	---	---
Magnesium	ppm	█ 537	---	---	---
Zinc	ppm	█ 1138	---	---	---
Phosphorus	ppm	█ 981	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 37	---	---	---

**Depot:** VOLVO0096  
**Unique No:** 10965818  
**Signed:** Jonathan Hester  
**Report Date:** 10 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

