



# CONSTRUCTION EQUIPMENT

## VOLVO L60H 623294 - DIESEL ENGINE



**Sample No:** VCP429678  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP429678	VCP432068	---	---
Sample Date	14 Dec 2023	11 Oct 2023	---	---
Machine Hours	1736	1079	---	---
Oil Hours	0	1079	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

**RECYCLE AMERICA**  
 12100 YOUNG PINE RD  
 ORLANDO, FL  
 US 32829  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	▲ 12.0	---	---
Base Number (BN)	mg KOH/g	█ 11.2	█ 8.4	---	---
Oxidation (PA)	%	76	72	---	---

T:  
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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.5	---	---
Nitration (PA)	%	39	69	---	---
Sulfation (PA)	%	60	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.6	---	---
Silicon	ppm	█ 7	▲ 26	---	---
Sodium	ppm	█ 1	█ 5	---	---
Potassium	ppm	█ 2	█ <1	---	---



### WEAR METALS

Iron	ppm	█ 1	█ 39	---	---
Copper	ppm	█ <1	█ 12	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ <1	█ 4	---	---
Aluminum	ppm	█ 1	▲ 9	---	---
Chromium	ppm	█ 0	█ 3	---	---
Molybdenum	ppm	█ 38	█ 35	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ 4	---	---
Vanadium	ppm	<1	<1	---	---



### ADDITIVES

Calcium	ppm	█ 1488	█ 1655	---	---
Magnesium	ppm	█ 456	█ 551	---	---
Zinc	ppm	█ 1016	█ 1091	---	---
Phosphorus	ppm	█ 809	█ 935	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 67	█ 19	---	---

**Depot:** RECORL  
**Unique No:** 10870777  
**Signed:** Wes Davis  
**Report Date:** 08 Feb 2024



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## GRAPHS

