



CONSTRUCTION EQUIPMENT

384881 VOLVO L60H 623294 - DIESEL ENGINE



Sample No: VCP432068
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 384881



SAMPLE INFORMATION

Sample Number	VCP432068	---	---	---
Sample Date	11 Oct 2023	---	---	---
Machine Hours	1079	---	---	---
Oil Hours	1079	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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

OIL CONDITION

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

T:
F:

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

CONTAMINATION

Soot %	%	■ 0.5	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.6	---	---	---
Silicon	ppm	▲ 26	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	■ 1655	---	---	---
Magnesium	ppm	■ 551	---	---	---
Zinc	ppm	■ 1091	---	---	---
Phosphorus	ppm	■ 935	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 19	---	---	---

Depot: RECORL
Unique No: 10696508
Signed: Jonathan Hester
Report Date: 18 Oct 2023



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GRAPHS

