



CONSTRUCTION EQUIPMENT

A11662 VOLVO L120H 633530 - DIESEL ENGINE



Sample No: VCP433780
Oil Type: MOBIL 15W40
Job No: A11662



SAMPLE INFORMATION

Sample Number	VCP433780	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	270	---	---	---
Oil Hours	270	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

GOURMETS DELIGHT

PO BOX 160
 AVONDALE, PA
 US 19311
 Contact: GABE VALENTINO
 gabe.valentino@gourmetsfinest.com
 T: (610)268-3578
 F: (610)268-2298



OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 10.4	---	---	---
Oxidation (PA)	%	70	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 15	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 47	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 35	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1389	---	---	---
Magnesium	ppm	■ 576	---	---	---
Zinc	ppm	■ 1068	---	---	---
Phosphorus	ppm	■ 856	---	---	---
Barium	ppm	■ 27	---	---	---
Boron	ppm	■ 61	---	---	---

Depot: GOUAVO
Unique No: 10796394
Signed: Don Baldrige
Report Date: 27 Dec 2023



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GRAPHS

