



CONSTRUCTION EQUIPMENT

SPM594509 VOLVO L120H 633267 - DIESEL ENGINE



Sample No: VCP415435
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM594509



SAMPLE INFORMATION

Sample Number	VCP415435	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	1035	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OZINGA BROS INC
19001 OLD LAGRANDE RD
MOKENA, IL
US 60448
Contact: ED JONGSMA

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 9.1	---	---	---
Oxidation (PA)	%	77	---	---	---

T: (708)326-4200
F:

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 component wear rates are normal. Fuel content negligible. No other contaminants were detected 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

Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.6	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 28	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 55	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 53	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1607	---	---	---
Magnesium	ppm	■ 630	---	---	---
Zinc	ppm	■ 1201	---	---	---
Phosphorus	ppm	■ 978	---	---	---
Barium	ppm	■ 6	---	---	---
Boron	ppm	■ 68	---	---	---

Depot: OZIMOKVC
Unique No: 10632430
Signed: Sean Felton
Report Date: 06 Sep 2023



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GRAPHS

