



CONSTRUCTION EQUIPMENT

SPM593014 VOLVO L120H 633335 - DIESEL ENGINE



Sample No: VCP420189
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM593014



SAMPLE INFORMATION

Sample Number	VCP420189	---	---	---
Sample Date	27 Jul 2023	---	---	---
Machine Hours	613	---	---	---
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	■ 9.0	---	---	---
Oxidation (PA)	%	73	---	---	---

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 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

Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.6	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

Iron	ppm	■ 32	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	▲ 46	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 41	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1478	---	---	---
Magnesium	ppm	■ 679	---	---	---
Zinc	ppm	■ 1146	---	---	---
Phosphorus	ppm	■ 957	---	---	---
Barium	ppm	■ 27	---	---	---
Boron	ppm	■ 44	---	---	---

Depot: OZIMOKVC
Unique No: 10601878
Signed: Don Baldrige
Report Date: 14 Aug 2023



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GRAPHS

