



CONSTRUCTION EQUIPMENT

9935 VOLVO L110H 631861 - DIESEL ENGINE



Sample No: VCP388521
Oil Type: CHEVRON 15W40
Job No: 9935



SAMPLE INFORMATION

Sample Number	VCP388521	---	---	---
Sample Date	14 Nov 2023	---	---	---
Machine Hours	2082	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

RECYCLE 1
 4700 LAWRENCE ST
 HYATTSVILLE, MD
 US 20781
 Contact: MIKE DESJARDINS
 mdesjarkins@wbwaste.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 5.2	---	---	---
Oxidation (PA)	%	99	---	---	---

CONTAMINATION

Soot %	%	█ 1.3	---	---	---
Nitration (PA)	%	100	---	---	---
Sulfation (PA)	%	74	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 25	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 85	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ 10	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	▲ 98	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 56	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1316	---	---	---
Magnesium	ppm	█ 741	---	---	---
Zinc	ppm	█ 962	---	---	---
Phosphorus	ppm	█ 737	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 36	---	---	---

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. Piston, ring and cylinder wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECHYA
Unique No: 10743055
Signed: Don Baldrige
Report Date: 19 Nov 2023



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GRAPHS

