



CONSTRUCTION EQUIPMENT

SWA441544 CONC SPEC VOLVO L110H 632329 - DIESEL ENGINE



Sample No: VCP433840
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA441544 CONC SPEC



SAMPLE INFORMATION

Sample Number	VCP433840	---	---	---
Sample Date	19 Dec 2023	---	---	---
Machine Hours	779	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	79	---	---	---

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. There is no indication of any contamination in the oil. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 37	---	---	---
Copper	ppm	█ 21	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	▲ 41	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 36	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1387	---	---	---
Magnesium	ppm	█ 564	---	---	---
Zinc	ppm	█ 1050	---	---	---
Phosphorus	ppm	█ 931	---	---	---
Barium	ppm	█ 18	---	---	---
Boron	ppm	█ 44	---	---	---

Depot: VOLVO5055
Unique No: 10847963
Signed: Don Baldrige
Report Date: 29 Jan 2024



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GRAPHS

