



CONSTRUCTION EQUIPMENT

W0230009-1 VOLVO L60H 623281 - DIESEL ENGINE



Sample No: VCP428512
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W0230009-1



SAMPLE INFORMATION

Sample Number	VCP428512	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	532	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 8.5	---	---	---
Oxidation (PA)	%	72	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. 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)	%	54	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 2.7	---	---	---
Silicon	ppm	■ 16	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 18	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 29	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1522	---	---	---
Magnesium	ppm	■ 418	---	---	---
Zinc	ppm	■ 931	---	---	---
Phosphorus	ppm	■ 871	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 67	---	---	---

Depot: VOLVO0081
Unique No: 10896432
Signed: Jonathan Hester
Report Date: 27 Feb 2024



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GRAPHS

