



CONSTRUCTION EQUIPMENT

VOLVO L260 001349 - DIESEL ENGINE



Sample No: VCP430399
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP430399	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.9	---	---	---
Base Number (BN)	mg KOH/g	▲ 3.2	---	---	---
Oxidation (PA)	%	95	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The nickel level is abnormal. All other component wear rates are normal. Fuel content negligible. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. 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 %	%	■ 0.7	---	---	---
Nitration (PA)	%	111	---	---	---
Sulfation (PA)	%	78	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 2.1	---	---	---
Silicon	ppm	▲ 37	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 17	---	---	---



WEAR METALS

Iron	ppm	■ 70	---	---	---
Copper	ppm	■ 84	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 5	---	---	---
Aluminum	ppm	▲ 7	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 81	---	---	---
Nickel	ppm	▲ 5	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1963	---	---	---
Magnesium	ppm	110	---	---	---
Zinc	ppm	■ 1152	---	---	---
Phosphorus	ppm	■ 887	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 8	---	---	---

Depot: VOLVO8532
Unique No: 10871888
Signed: Jonathan Hester
Report Date: 13 Feb 2024



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GRAPHS

