



CONSTRUCTION EQUIPMENT

ATLAS ORGANICS VOLVO L70H 624660 - DIESEL ENGINE



Sample No: VCP414646
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: ATLAS ORGANICS



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SAMPLE INFORMATION

Sample Number	VCP414646	---	---	---
Sample Date	19 Sep 2023	---	---	---
Machine Hours	2014	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	▲ 7.9	---	---	---
Base Number (BN)	mg KOH/g	▲ 1.9	---	---	---
Oxidation (PA)	%	17	---	---	---



CONTAMINATION

Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	33	---	---	---
Sulfation (PA)	%	34	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 65	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 8	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	▲ 253	---	---	---
Magnesium	ppm	▲ 52	---	---	---
Zinc	ppm	▲ 533	---	---	---
Phosphorus	ppm	▲ 421	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. The BN level is low. Confirm oil type.

Depot: VOLVO0093
Unique No: 10675080
Signed: Jonathan Hester
Report Date: 06 Oct 2023



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GRAPHS

