



CONSTRUCTION EQUIPMENT

W02007305 VOLVO EC300 316221 - DIESEL ENGINE



Sample No: VCP418819
Oil Type: MOBIL 15W40
Job No: W02007305



SAMPLE INFORMATION

Sample Number	VCP418819	---	---	---
Sample Date	06 Jul 2023	---	---	---
Machine Hours	534	---	---	---
Oil Hours	534	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.1	---	---	---
Base Number (BN)	mg KOH/g	■ 8.9	---	---	---
Oxidation (PA)	%	70	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 19	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 11	---	---	---



WEAR METALS

Iron	ppm	■ 18	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 73	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 1	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1393	---	---	---
Magnesium	ppm	■ 1118	---	---	---
Zinc	ppm	■ 1459	---	---	---
Phosphorus	ppm	■ 1222	---	---	---
Barium	ppm	■ 14	---	---	---
Boron	ppm	■ 10	---	---	---

Depot: VOLVO0002
Unique No: 10551658
Signed: Doug Bogart
Report Date: 13 Jul 2023



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GRAPHS

