



CONSTRUCTION EQUIPMENT

9834 LANDWERKS CONTR VOLVO SD75B 241432 - DIESEL ENGINE



Sample No: VCP412304
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 9834 LANDWERKS CONTR



SAMPLE INFORMATION

Sample Number	VCP412304	---	---	---
Sample Date	17 Oct 2023	---	---	---
Machine Hours	332	---	---	---
Oil Hours	332	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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 CHESAPEAKE, VA
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OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 9.9	---	---	---
Oxidation (PA)	%	78	---	---	---

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 components first oil change. 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 %	%	■ 0.2	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 24	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 9	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 41	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1597	---	---	---
Magnesium	ppm	■ 449	---	---	---
Zinc	ppm	■ 1010	---	---	---
Phosphorus	ppm	■ 828	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 50	---	---	---

Depot: VOLVO0264
Unique No: 10714120
Signed: Don Baldrige
Report Date: 31 Oct 2023



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GRAPHS

