



CONSTRUCTION EQUIPMENT

SWA459054-20 VOLVO A25G 752687 - DIESEL ENGINE



Sample No: VCP454185
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA459054-20



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SAMPLE INFORMATION

Sample Number	VCP454185	---	---	---
Sample Date	23 Jan 2024	---	---	---
Machine Hours	1415	---	---	---
Oil Hours	483	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 8.5	---	---	---
Oxidation (PA)	%	76	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 48	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 47	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1648	---	---	---
Magnesium	ppm	■ 448	---	---	---
Zinc	ppm	■ 1033	---	---	---
Phosphorus	ppm	■ 898	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 24	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO0093
Unique No: 10846516
Signed: Don Baldrige
Report Date: 26 Jan 2024



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GRAPHS

