



CONSTRUCTION EQUIPMENT

1028030 VOLVO A45G 352855 - DIESEL ENGINE



Sample No: VCP412989
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 1028030



SAMPLE INFORMATION

Sample Number	VCP412989	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	2932	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.8	---	---	---
Base Number (BN)	mg KOH/g	■ 9.6	---	---	---
Oxidation (PA)	%	57	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.6	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 62	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1150	---	---	---
Magnesium	ppm	■ 1019	---	---	---
Zinc	ppm	■ 1340	---	---	---
Phosphorus	ppm	■ 1128	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 7	---	---	---

Depot: VOLVO8770
Unique No: 10808094
Signed: Don Baldrige
Report Date: 06 Jan 2024



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GRAPHS

