



CONSTRUCTION EQUIPMENT

W-5796-2 VOLVO A30G 742421 - DIESEL ENGINE



Sample No: VCP411639
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W-5796-2



SAMPLE INFORMATION

Sample Number	VCP411639	VCP262254	---	---
Sample Date	30 Nov 2023	26 Dec 2019	---	---
Machine Hours	5047	1059	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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 2025 COOK DRIVE
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OIL CONDITION

Visc @ 100°C	cSt	█ 11.9	▲ 9.8	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	80	69	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.4	---	---
Nitration (PA)	%	62	63	---	---
Sulfation (PA)	%	60	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	█ 3.3	▲ 5.0	---	---
Silicon	ppm	█ 5	▲ 39	---	---
Sodium	ppm	█ 0	█ 3	---	---
Potassium	ppm	█ <1	█ 0	---	---



WEAR METALS

Iron	ppm	█ 8	█ 25	---	---
Copper	ppm	█ 2	▲ 434	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ 0	█ 3	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 40	█ 7	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ 4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1557	█ 2173	---	---
Magnesium	ppm	█ 477	█ 29	---	---
Zinc	ppm	█ 1037	█ 1055	---	---
Phosphorus	ppm	█ 849	█ 931	---	---
Barium	ppm	█ 2	█ <1	---	---
Boron	ppm	█ 37	█ 7	---	---

Depot: VOLVO9010
Unique No: 10776015
Signed: Wes Davis
Report Date: 12 Dec 2023



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GRAPHS

