



CONSTRUCTION EQUIPMENT

RS0036754 VOLVO A30G 752104 - DROP BOX



Sample No: VCP431843
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: RS0036754



SAMPLE INFORMATION

Sample Number	VCP431843	VCP320073	VCP317523	---
Sample Date	31 Jan 2024	24 Aug 2021	28 Jul 2021	---
Machine Hours	4113	1027	968	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ATTENTION	NORMAL	ABNORMAL	---

COWIN EQUIPMENT COMPANY

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 PENSACOLA, FL
 US 32534

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OIL CONDITION

Visc @ 40°C	cSt	▲ 66.7	107	▲ 57.3	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 16	■ 2	■ 40	---
Sodium	ppm	■ 0	■ <1	■ 12	---
Potassium	ppm	■ 2	■ 0	■ 2	---



WEAR METALS

Iron	ppm	■ 86	■ 96	■ 73	---
Copper	ppm	■ <1	■ 5	■ 2	---
Lead	ppm	■ 0	■ <1	■ 0	---
Tin	ppm	■ 0	■ 0	■ 0	---
Aluminum	ppm	■ 2	■ 0	■ 3	---
Chromium	ppm	■ <1	■ 2	■ 1	---
Molybdenum	ppm	■ 11	■ 2	■ 14	---
Nickel	ppm	■ 0	■ 2	■ <1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ <1	■ 5	■ 2	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	▲ 1773	■ 174	■ 84	---
Magnesium	ppm	■ 33	■ 3	■ <1	---
Zinc	ppm	▲ 860	■ 80	■ 42	---
Phosphorus	ppm	■ 793	■ 1080	1502	---
Barium	ppm	■ 5	■ 0	■ 0	---
Boron	ppm	■ 111	■ 173	■ 206	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLV08247
Unique No: 10863741
Signed: Jonathan Hester
Report Date: 08 Feb 2024



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GRAPHS

