



CONSTRUCTION EQUIPMENT

VOLVO A30G 752893 - DIESEL ENGINE



Sample No: VCP427092
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

Sample Number	VCP427092	---	---	---
Sample Date	20 Aug 2023	---	---	---
Machine Hours	611	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.5	---	---	---
Base Number (BN)	mg KOH/g	■ 5.9	---	---	---
Oxidation (PA)	%	■ 57	---	---	---



CONTAMINATION

Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	■ 79	---	---	---
Sulfation (PA)	%	■ 52	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	■ 38	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 27	---	---	---
Copper	ppm	▲ 438	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 84	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 2	---	---	---
Manganese	ppm	■ 6	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2211	---	---	---
Magnesium	ppm	■ 29	---	---	---
Zinc	ppm	■ 1189	---	---	---
Phosphorus	ppm	■ 1005	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 43	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. No other contaminants were detected 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. Confirm oil type.

Depot: VOLVO0093
Unique No: 10609097
Signed: Sean Felton
Report Date: 22 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

