



CONSTRUCTION EQUIPMENT

SWA467919 VOLVO ECR88D 218828 - DIESEL ENGINE



Sample No: VCP449210
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: SWA467919



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SAMPLE INFORMATION

Sample Number	VCP449210	---	---	---
Sample Date	25 Jan 2024	---	---	---
Machine Hours	424	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 7.2	---	---	---
Oxidation (PA)	%	54	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	▲ 66	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 13	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 26	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2036	---	---	---
Magnesium	ppm	█ 313	---	---	---
Zinc	ppm	█ 1129	---	---	---
Phosphorus	ppm	█ 980	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 54	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other metal levels are typical for a new component breaking in. There is no indication of any contamination 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.

Depot: VOLVO0093
Unique No: 10849234
Signed: Don Baldrige
Report Date: 30 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

