



CONSTRUCTION EQUIPMENT

RSO-036291 VOLVO ECR88D 217195 - DIESEL ENGINE



Sample No: VCP435590
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: RSO-036291



SAMPLE INFORMATION

Sample Number	VCP435590	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	808	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY
BIRMINGHAM, AL
US 35217
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T:
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	90	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 39	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1716	---	---	---
Magnesium	ppm	█ 453	---	---	---
Zinc	ppm	█ 1084	---	---	---
Phosphorus	ppm	█ 890	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 25	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
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: VOLVO8528
Unique No: 10766825
Signed: Wes Davis
Report Date: 01 Dec 2023



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GRAPHS

