



CONSTRUCTION EQUIPMENT

SW1026683 MGC VOLVO ECR40D 14219 - DIESEL ENGINE



Sample No: VCP423050
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1026683 MGC



SAMPLE INFORMATION

Sample Number	VCP423050	---	---	---
Sample Date	22 Nov 2023	---	---	---
Machine Hours	950	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	63	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 51	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1241	---	---	---
Magnesium	ppm	█ 743	---	---	---
Zinc	ppm	█ 1125	---	---	---
Phosphorus	ppm	█ 915	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 25	---	---	---

Depot: VOLVO6174
Unique No: 10767959
Signed: Wes Davis
Report Date: 05 Dec 2023



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GRAPHS

