



CONSTRUCTION EQUIPMENT

57571 VOLVO EC55B 30203 - DIESEL ENGINE



Sample No: VCP421548
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 57571



SAMPLE INFORMATION

Sample Number	VCP421548	---	---	---
Sample Date	30 Aug 2023	---	---	---
Machine Hours	4261	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 15.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	81	---	---	---



CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	88	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 10	---	---	---



WEAR METALS

Iron	ppm	█ 42	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 14	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2426	---	---	---
Magnesium	ppm	█ 216	---	---	---
Zinc	ppm	█ 1476	---	---	---
Phosphorus	ppm	█ 1165	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 118	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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: VOLVO0016
Unique No: 10631074
Signed: Wes Davis
Report Date: 01 Sep 2023



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GRAPHS

