



CONSTRUCTION EQUIPMENT

SW-25462-2 ELITE CH VOLVO EC220E 315109 - DIESEL ENGINE



Sample No: VCP430683
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-25462-2 ELITE CH



SAMPLE INFORMATION

Sample Number	VCP430683	---	---	---
Sample Date	17 Oct 2023	---	---	---
Machine Hours	312	---	---	---
Oil Hours	312	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 6.9	---	---	---
Oxidation (PA)	%	43	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2237	---	---	---
Magnesium	ppm	123	---	---	---
Zinc	ppm	█ 1058	---	---	---
Phosphorus	ppm	█ 967	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 19	---	---	---

Depot: VOLVO8770
Unique No: 10708832
Signed: Wes Davis
Report Date: 24 Oct 2023



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GRAPHS

