



CONSTRUCTION EQUIPMENT

SEC VOLVO SD115B 237066 - DIESEL ENGINE



Sample No: VCP421498
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SEC



SAMPLE INFORMATION

Sample Number	VCP421498	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	514	---	---	---
Oil Hours	514	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	77	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a components first oil change. Light fuel dilution occurring. No other contaminants were detected 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)	%	56	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.0	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 38	---	---	---
Copper	ppm	█ 29	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 14	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1710	---	---	---
Magnesium	ppm	█ 529	---	---	---
Zinc	ppm	█ 1184	---	---	---
Phosphorus	ppm	█ 940	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 51	---	---	---

Depot: VOLVO4596
Unique No: 10575272
Signed: Wes Davis
Report Date: 28 Jul 2023



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GRAPHS

