



CONSTRUCTION EQUIPMENT

4702DR NEW ENT VOLVO EC480EL 311273 - DIESEL ENGINE



Sample No: VCP404436
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 4702DR NEW ENT



SAMPLE INFORMATION

Sample Number	VCP404436	---	---	---
Sample Date	22 Nov 2023	---	---	---
Machine Hours	5851	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HIGHWAY EQUIPMENT & SUPPLY CO
 PO BOX 127
 DRUMS, PA
 US 18222
 Contact: JUSTIN BLOSS
 justin@hwyequip.com
 T: (570)788-1127
 F: (570)708-2933



OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 5.5	---	---	---
Oxidation (PA)	%	58	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 18	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1993	---	---	---
Magnesium	ppm	█ 235	---	---	---
Zinc	ppm	█ 1163	---	---	---
Phosphorus	ppm	█ 852	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VOLVO0022
Unique No: 10762493
Signed: Wes Davis
Report Date: 28 Nov 2023



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GRAPHS

