



CONSTRUCTION EQUIPMENT

S50402261 ENV RENTAL VOLVO EC480EL 314785 - DIESEL ENGINE



Sample No: VCP412867
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50402261 ENV RENTAL



VCES- VOLVO CONSTRUCTION EQUIPMENT
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SAMPLE INFORMATION

Sample Number	VCP412867	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 10.2	---	---	---
Oxidation (PA)	%	90	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.8	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 38	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1728	---	---	---
Magnesium	ppm	█ 524	---	---	---
Zinc	ppm	█ 1128	---	---	---
Phosphorus	ppm	█ 965	---	---	---
Barium	ppm	█ 12	---	---	---
Boron	ppm	█ 28	---	---	---

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.

Depot: VOLVO4486
Unique No: 10790359
Signed: Wes Davis
Report Date: 15 Dec 2023



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GRAPHS

