



CONSTRUCTION EQUIPMENT

A11420 VOLVO EC220E 315495 - DIESEL ENGINE



Sample No: VCP433787
Oil Type: MOBIL 15W40
Job No: A11420



SAMPLE INFORMATION

Sample Number	VCP433787	---	---	---
Sample Date	14 Nov 2023	---	---	---
Machine Hours	490	---	---	---
Oil Hours	490	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

WASTE MANAGEMENT - TELFORD
 400 PROGRESS DR
 TELFORD, PA
 US 18969-1191
 Contact: EDWARD ROGENER
 erogener@wm.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 6.5	---	---	---
Oxidation (PA)	%	45	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

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.

WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1979	---	---	---
Magnesium	ppm	█ 151	---	---	---
Zinc	ppm	█ 1024	---	---	---
Phosphorus	ppm	█ 878	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 11	---	---	---

Depot: WASTEL
Unique No: 10764791
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

