



CONSTRUCTION EQUIPMENT

129911 PINNEY VOLVO EC480E 311035 - DIESEL ENGINE



Sample No: VCP420733
Oil Type: NOT GIVEN
Job No: 129911 PINNEY



SAMPLE INFORMATION

Sample Number	VCP420733	---	---	---
Sample Date	08 Sep 2023	---	---	---
Machine Hours	5690	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

THE GW VAN KEPPEL CO
1876 NORTH 105TH EAST AVENUE
TULSA, OK
US 74116
Contact: MIKE DEVORE
MDEVORE@VANKEPPEL.COM
T: (918)836-8851
F: (918)834-1659



OIL CONDITION

Visc @ 100°C	cSt	▲ 12.4	---	---	---
Base Number (BN)	mg KOH/g	■ 9.1	---	---	---
Oxidation (PA)	%	55	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. No abnormal wear or visible metal detected. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.6	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 60	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1187	---	---	---
Magnesium	ppm	■ 1011	---	---	---
Zinc	ppm	■ 1397	---	---	---
Phosphorus	ppm	■ 1092	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 3	---	---	---

Depot: VOLVO0053
Unique No: 10643003
Signed: Don Baldrige
Report Date: 13 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

