

OIL ANALYSIS REPORT

VOLVO PENTA

BLACKSTONE WESTERBEKE 110000712SP - GENSET

Sample No: VPA056808

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA056808	---	---	---
Sample Date	13 Nov 2023	---	---	---
Machine Hours	57	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

MAKO MARINE

117 HUDSON AVE

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OIL CONDITION

Visc @ 100°C	cSt	█ 10.1	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	█ 37	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. 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 acceptable for the time in service.

CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 55	---	---	---
Sulfation (PA)	%	█ 44	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ 2.4	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 16	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 23	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 933	---	---	---
Magnesium	ppm	█ 781	---	---	---
Zinc	ppm	█ 844	---	---	---
Phosphorus	ppm	█ 737	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: VP1134331

Unique No: 10741280

Signed: Doug Bogart

Report Date: 15 Nov 2023

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GRAPHS

