

OIL ANALYSIS REPORT

**VOLVO
PENTA**

HARMISH KOHLER 2069184 - GENSET

Sample No: VPA042557

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA042557	---	---	---
Sample Date	05 Jul 2023	---	---	---
Machine Hours	469	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

MAKO MARINE

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	10.7	---	---	---
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 acceptable for the time in service.

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	1485	---	---	---
Magnesium	ppm	698	---	---	---
Zinc	ppm	910	---	---	---
Phosphorus	ppm	734	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	107	---	---	---

Depot: VP1134331

Unique No: 10550561

Signed: Don Baldrige

Report Date: 12 Jul 2023

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GRAPHS

