

OIL ANALYSIS REPORT

VOLVO PENTA

DIAMOND KOHLER SGM329R4B - GENSET

Sample No: VPA045908

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA045908	VPA042001	---	---
Sample Date	24 Oct 2023	02 Sep 2022	---	---
Machine Hours	676	561	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

MAKO MARINE

117 HUDSON AVE

FREEPORT, NY

US 11520

Contact: PAUL FLOOD

makomarine@optonline.net

T: (516)378-7331

F: x:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 14.4	---	---
Base Number (BN)	mg KOH/g	█ 8.8	█ 10.0	---	---
Oxidation (PA)	%	59	66	---	---

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.

CONTAMINATION

Soot %	%	█ 0	█ 0.1	---	---
Nitration (PA)	%	39	49	---	---
Sulfation (PA)	%	57	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	█ 5	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 5	█ 4	---	---

WEAR METALS

Iron	ppm	█ 4	█ 2	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ <1	█ 1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	13	17	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	█ 0	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	<1	█ <1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	1650	█ 1636	---	---
Magnesium	ppm	71	█ 282	---	---
Zinc	ppm	932	█ 1074	---	---
Phosphorus	ppm	981	█ 875	---	---
Barium	ppm	0	█ 0	---	---
Boron	ppm	178	█ 159	---	---

Depot: VP1134331

Unique No: 10714091

Signed: Don Baldrige

Report Date: 30 Oct 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

