

OIL ANALYSIS REPORT

VOLVO PENTA

DEWITT VOLVO PENTA A938364 - STARBOARD DIESEL ENGINE

Sample No: VPA042544

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA042544	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	180	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

MAKO MARINE

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.9	---	---	---
Oxidation (PA)	%	64	---	---	---

Diagnosis

No corrective action is recommended at this time. 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)	%	43	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 7	---	---	---

WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2108	---	---	---
Magnesium	ppm	█ 27	---	---	---
Zinc	ppm	█ 1150	---	---	---
Phosphorus	ppm	█ 952	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 173	---	---	---

Depot: VP1134331

Unique No: 10559721

Signed: Doug Bogart

Report Date: 17 Jul 2023

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GRAPHS

