

# OIL ANALYSIS REPORT

# VOLVO PENTA

**PAULA SPINA 6186 NORTHERN LIGHTS M843NK3 8432-332271 - GENSET**

**Sample No:** VPA045819

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

Sample Number	VPA045819	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	3378	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	13.08	---	---	---
Base Number (BN)	mg KOH/g	10.8	---	---	---
Oxidation (PA)	%	65	---	---	---

## CONTAMINATION

Soot %	%	0.2	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	3	---	---	---

## WEAR METALS

Iron	ppm	9	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	70	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	1354	---	---	---
Magnesium	ppm	1169	---	---	---
Zinc	ppm	1530	---	---	---
Phosphorus	ppm	1217	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	20	---	---	---

**Northwest Diesel Power**  
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## 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.

**Depot:** VP759009  
**Unique No:** 10560497  
**Signed:** Doug Bogart  
**Report Date:** 14 Jul 2023

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## GRAPHS

