

OIL ANALYSIS REPORT

VOLVO PENTA

TOM GRAVE VOLVO PENTA A1074859 - CENTER GASOLINE ENGINE

Sample No: VPA060404

Oil Type: VOLVO PENTA SYNTHETIC GAS

SAMPLE INFORMATION

Sample Number	VPA060404	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	324	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.91	---	---	---
Base Number (BN)	mg KOH/g	█ 7.4	---	---	---
Oxidation (PA)	%	11	---	---	---

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	---	---	---
Nitration (PA)	%	8	---	---	---
Sulfation (PA)	%	10	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	74	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1578	---	---	---
Magnesium	ppm	131	---	---	---
Zinc	ppm	831	---	---	---
Phosphorus	ppm	679	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	24	---	---	---

Depot: VP794951
Unique No: 10670344
Signed: Jonathan Hester
Report Date: 04 Oct 2023

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GRAPHS

