

OIL ANALYSIS REPORT

VOLVO PENTA

TOM RICH VOLVO PENTA 7008518781 - PORT DIESEL ENGINE

Sample No: VPA055327
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA055327	---	---	---
Sample Date	21 Sep 2023	---	---	---
Machine Hours	643	---	---	---
Oil Hours	100	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 9.8	---	---	---
Oxidation (PA)	%	56	---	---	---

CONTAMINATION

Soot %	%	█ 1.1	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 68	---	---	---
Potassium	ppm	█ 8	---	---	---

WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 50	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1180	---	---	---
Magnesium	ppm	1040	---	---	---
Zinc	ppm	█ 1311	---	---	---
Phosphorus	ppm	█ 1051	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

BEST MARINE
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T:
F:

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.

Depot: VPBESTAR
Unique No: 10661537
Signed: Doug Bogart
Report Date: 26 Sep 2023

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GRAPHS

