

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 10132223426 - 2 MAIN ENGINE

Sample No: VPA057203

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA057203	---	---	---
Sample Date	06 Apr 2024	---	---	---
Machine Hours	442	---	---	---
Oil Hours	442	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

WINDSERVE MARINE

10 MACNAUGHT ST
NORTH KINGSTOWN, RI
US 02852

Contact: Ryan Linn

RyanL@windservemarine.com

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OIL CONDITION

Visc @ 100°C	cSt	12.4	---	---	---
Base Number (BN)	mg KOH/g	9.0	---	---	---
Oxidation (PA)	%	78	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	26	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	2	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.

WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1627	---	---	---
Magnesium	ppm	401	---	---	---
Zinc	ppm	1015	---	---	---
Phosphorus	ppm	875	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	44	---	---	---

Depot: VPSENNOR

Unique No: 10981635

Signed: Jonathan Hester

Report Date: 19 Apr 2024

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GRAPHS

