

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A1056113 - PORT DIESEL ENGINE

Sample No: VPA042282

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA042282	---	---	---
Sample Date	03 Dec 2023	---	---	---
Machine Hours	565	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Strong's Water Club & Marina LLC
PO BOX 1409
MATTITUCK, NY
US 11952
Contact: JAN SCHARWACHTER
jan@strongsmarine.com
T: (631)298-4739
F: (631)298-4803

OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 10.5	---	---	---
Oxidation (PA)	%	78	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	44	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

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	█ 17	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1723	---	---	---
Magnesium	ppm	█ 462	---	---	---
Zinc	ppm	█ 1201	---	---	---
Phosphorus	ppm	█ 960	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 64	---	---	---

Depot: VP930782
Unique No: 10767919
Signed: Sean Felton
Report Date: 05 Dec 2023

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GRAPHS

