

OIL ANALYSIS REPORT



JEREMY MCDONALD VOLVO PENTA A391422 - PORT DIESEL ENGINE

Sample No: VPA042254

Oil Type: VOLVO

SAMPLE INFORMATION

Sample Number	VPA042254	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	235	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

SINGLETON MARINE

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OIL CONDITION

Visc @ 100°C	cSt	█ 15.0	---	---	---
Base Number (BN)	mg KOH/g	█ 10.9	---	---	---
Oxidation (PA)	%	25	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	28	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

We advise an early resample to confirm this situation. Confirm component type. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. Additive levels indicate gear oil. Confirm oil type.

WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	▲ < 1	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	▲ 2	---	---	---
Phosphorus	ppm	█ 1317	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 342	---	---	---

Depot: VP159751
 Unique No: 10780106
 Signed: Doug Bogart
 Report Date: 13 Dec 2023

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VOLVO PENTA

GRAPHS

