

OIL ANALYSIS REPORT

VOLVO PENTA

PASSING WIND M140139522 - CENTER DIESEL ENGINE

Sample No: VPA047831
Oil Type: SHELL 15W40

SAMPLE INFORMATION

Sample Number	VPA047831	---	---	---
Sample Date	22 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 10.6	---	---	---
Base Number (BN)	mg KOH/g	■ 8.3	---	---	---
Oxidation (PA)	%	■ 39	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 39	---	---	---
Sulfation (PA)	%	■ 42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.8	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 3	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 102	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 2204	---	---	---
Magnesium	ppm	■ 108	---	---	---
Zinc	ppm	■ 1115	---	---	---
Phosphorus	ppm	■ 1005	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 124	---	---	---

The Talaria Company

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Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: VP592286
Unique No: 10778833
Signed: Jonathan Hester
Report Date: 18 Dec 2023

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GRAPHS

