

OIL ANALYSIS REPORT

VOLVO PENTA

PARDO 38 SEA BUILDER VOLVO PENTA A110134 - PORT DIESEL ENGINE

Sample No: VPA049910

Oil Type: VOLVO

SAMPLE INFORMATION

Sample Number	VPA049910	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	331	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	81	---	---	---

CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 38	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 6	---	---	---

WEAR METALS

Iron	ppm	█ 71	---	---	---
Copper	ppm	█ 33	---	---	---
Lead	ppm	█ 12	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 44	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	▲ 7	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1563	---	---	---
Magnesium	ppm	█ 533	---	---	---
Zinc	ppm	█ 1154	---	---	---
Phosphorus	ppm	█ 930	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 30	---	---	---

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DAVIE, FL
US 33314
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T:
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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The nickel level is abnormal. All other 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 suitable for further service.

Depot: VP694356
Unique No: 10709770
Signed: Jonathan Hester
Report Date: 25 Oct 2023

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GRAPHS

