

OIL ANALYSIS REPORT

VOLVO PENTA

CRUZ VOLVO PENTA A406331 - STARBOARD DIESEL ENGINE

Sample No: VPA036209

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA036209	---	---	---
Sample Date	17 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 98.2	---	---	---
Visc @ 100°C	cSt	■ 13.41	---	---	---
Viscosity Index (VI)	Scale	136	---	---	---
Base Number (BN)	mg KOH/g	■ 10.0	---	---	---
Oxidation (PA)	%	53	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0	---	---	---
Nitration (PA)	%	38	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 1	---	---	---

WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 56	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1042	---	---	---
Magnesium	ppm	■ 992	---	---	---
Zinc	ppm	■ 1310	---	---	---
Phosphorus	ppm	■ 1076	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. 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.

Depot: VP288530

Unique No: 10755883

Signed: Doug Bogart

Report Date: 01 Dec 2023

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GRAPHS

