

OIL ANALYSIS REPORT

VOLVO PENTA

CRUZ VOLVO PENTA 3940017808 - STARBOARD IPS

Sample No: VPA036167

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA036167	VPA044760	---	---
Sample Date	17 Nov 2023	22 Nov 2022	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 109.2	43.0	---	---
Visc @ 100°C	cSt	█ 15.2	---	---	---
Viscosity Index (VI)	Scale	145	---	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 7	12	---	---
Sodium	ppm	█ 2	█ 4	---	---
Potassium	ppm	█ 0	█ 0	---	---

WEAR METALS

PQ		█ 10	█ 7	---	---
Iron	ppm	█ 6	█ 16	---	---
Copper	ppm	█ 2	3	---	---
Lead	ppm	█ 0	0	---	---
Tin	ppm	█ 0	0	---	---
Aluminum	ppm	█ 0	<1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 0	<1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	0	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 0	3	---	---
Magnesium	ppm	█ 0	2	---	---
Zinc	ppm	█ 0	3	---	---
Phosphorus	ppm	█ 1377	1309	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 349	316	---	---

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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 condition of the oil is acceptable for the time in service.

Depot: VP288530

Unique No: 10755306

Signed: Doug Bogart

Report Date: 01 Dec 2023

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GRAPHS

