

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3950004670 - STARBOARD IPS

Sample No: VPA042110

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA042110	VPA027574	VPA037511	---
Sample Date	04 Oct 2023	16 May 2022	13 Sep 2021	---
Machine Hours	999	738	533	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	█ 116	█ 105	█ 106	---
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CONTAMINATION

Silicon	ppm	█ 1	█ 2	█ 2	---
Sodium	ppm	█ 5	█ 11	█ 14	---
Potassium	ppm	█ 0	█ 0	█ 1	---

WEAR METALS

PQ		█ 15	█ 21	█ 19	---
Iron	ppm	█ 14	█ 23	█ 27	---
Copper	ppm	█ 3	█ 4	█ 6	---
Lead	ppm	█ 0	█ 0	█ <1	---
Tin	ppm	█ 0	█ 0	█ 0	---
Aluminium	ppm	█ <1	█ 1	█ <1	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ 0	█ <1	█ <1	---
Nickel	ppm	█ <1	█ 0	█ <1	---
Titanium	ppm	█ 0	█ 0	█ 0	---
Silver	ppm	█ 0	█ <1	█ <1	---
Manganese	ppm	█ <1	█ 2	█ 3	---
Vanadium	ppm	█ 0	█ 0	█ 0	---

ADDITIVES

Calcium	ppm	█ 11	█ 11	█ 25	---
Magnesium	ppm	█ 5	█ 14	█ 35	---
Zinc	ppm	█ 1	█ 8	█ 11	---
Phosphorus	ppm	█ 1318	█ 1377	█ 1319	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 293	█ 304	█ 345	---

SUNCOAST DIESEL MARINE
6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
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Diagnosis

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: VP705283
Unique No: 10689309
Signed: Don Baldrige
Report Date: 16 Oct 2023

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GRAPHS

