

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MARTINELLI VOLVO PENTA 3940017371 - STARBOARD IPS

Sample No: VPA058205

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA058205	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 102	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	16	---	---	---
Sodium	ppm	■ 23	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 23	---	---	---
Iron	ppm	▲ 487	---	---	---
Copper	ppm	■ 32	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 9	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 10	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 12	---	---	---
Phosphorus	ppm	■ 1391	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 187	---	---	---

SUNCOAST DIESEL MARINE

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Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP705283
Unique No: 11005536
Signed: Jonathan Hester
Report Date: 03 May 2024

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GRAPHS

