

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3940021173 - STARBOARD IPS

Sample No: VPA053380

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA053380	---	---	---
Sample Date	15 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

ALL SYSTEMS MARINE

700 MYRICK ST

PENSACOLA, FL

US 32505

Contact: TRISTAN JOHNSON

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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 108	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	23	---	---	---
Sodium	ppm	■ 14	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. The iron level is abnormal. All other 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.

WEAR METALS

PQ		■ 23	---	---	---
Iron	ppm	▲ 447	---	---	---
Copper	ppm	■ 53	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	7	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 17	---	---	---
Magnesium	ppm	■ 16	---	---	---
Zinc	ppm	■ 145	---	---	---
Phosphorus	ppm	■ 1376	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 266	---	---	---

Depot: VP99220003

Unique No: 10983535

Signed: Angela Borella

Report Date: 22 Apr 2024

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GRAPHS

