

OIL ANALYSIS REPORT

**VOLVO
PENTA**

AMERICAN MARINE M772881 3194006114 - STARBOARD IPS

Sample No: VPA051746

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA051746	---	---	---
Sample Date	02 Oct 2023	---	---	---
Machine Hours	521	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

INTERSTATE POWER SYSTEMS

2901 E 78TH ST
MINNEAPOLIS, MN
US 55425

Contact: BRADY GARBRECHT
brady.garbrecht@istate.com

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F:

OIL CONDITION

Visc @ 40°C	cSt	█ 103	---	---	---
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CONTAMINATION

Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

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.

WEAR METALS

PQ		█ 23	---	---	---
Iron	ppm	█ 48	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 15	---	---	---
Magnesium	ppm	█ 10	---	---	---
Zinc	ppm	█ 2	---	---	---
Phosphorus	ppm	█ 1436	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 372	---	---	---

Depot: VP1103105

Unique No: 10683754

Signed: Sean Felton

Report Date: 10 Oct 2023

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GRAPHS

