

OIL ANALYSIS REPORT

**VOLVO
PENTA**

NOT GIVEN VPA052421 - STARBOARD IPS

Sample No: VPA052421

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA052421	---	---	---
Sample Date	06 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

MELBOURNE MARINE DIESEL

MELBOURNE, FL

US

Contact: SERVICE MANAGER

info@melbournemarinediesel.com

T: (321)425-2517

F:

OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 3	---	---	---

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		■ 21	---	---	---
Iron	ppm	■ 49	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	19	---	---	---
Magnesium	ppm	136	---	---	---
Zinc	ppm	4	---	---	---
Phosphorus	ppm	1461	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	410	---	---	---

Depot: VP1222400

Unique No: 11017747

Signed: Don Baldrige

Report Date: 09 May 2024

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GRAPHS

