

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 320002548 (S/N 3200002548) - STARBOARD IPS

Sample No: VPA054162

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA054162	VPA041201	---	---
Sample Date	08 May 2024	05 Dec 2022	---	---
Machine Hours	0	327	---	---
Oil Hours	0	327	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**FULL KEEL MARINE SERVICES**  
314 LEGION AVE  
ANNAPOLIS, MD  
US 21401  
Contact: Service Manager  
FULLKEELMARINESERIVES@GMAIL.COM  
T: (410)507-3542  
F:

### OIL CONDITION

Visc @ 40°C	cSt	82.3	101	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	2	3	---	---
Sodium	ppm	7	4	---	---
Potassium	ppm	6	0	---	---

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal for OEM. 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		22	15	---	---
Iron	ppm	145	160	---	---
Copper	ppm	30	31	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	4	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	3	3	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	2	6	---	---
Magnesium	ppm	3	34	---	---
Zinc	ppm	5	20	---	---
Phosphorus	ppm	363	1318	---	---
Barium	ppm	0	0	---	---
Boron	ppm	18	195	---	---

Depot: VP1298996  
Unique No: 11062647  
Signed: Doug Bogart  
Report Date: 09 Jun 2024

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## GRAPHS

