

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## BETTER THAN MOST MIDI VOLVO PENTA 3200005187 - STARBOARD IPS

Sample No: VPA049945

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA049945	---	---	---
Sample Date	04 Oct 2023	---	---	---
Machine Hours	90	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 96.7	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 9	---	---	---

### WEAR METALS

PQ		■ 11	---	---	---
Iron	ppm	■ 29	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 41	---	---	---
Magnesium	ppm	■ 944	---	---	---
Zinc	ppm	■ 20	---	---	---
Phosphorus	ppm	■ 1677	---	---	---
Barium	ppm	■ 10	---	---	---
Boron	ppm	■ 647	---	---	---

#### Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G  
DAVIE, FL  
US 33314  
Contact: ASHANTI BURKE  
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#### 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.

Depot: VP694356  
Unique No: 10710215  
Signed: Sean Felton  
Report Date: 25 Oct 2023

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## GRAPHS

