

OIL ANALYSIS REPORT

**VOLVO
PENTA**

JOHAN SAM VOLVO PENTA 3940022305 - PORT IPS

Sample No: VPA056342

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056342	---	---	---
Sample Date	23 Jun 2023	---	---	---
Machine Hours	254	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B
COSTA MESA, CA
US 92627
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T: (949)612-8180
F: x:

OIL CONDITION

Visc @ 40°C	cSt	█ 109	---	---	---
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CONTAMINATION

Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 16	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

PQ		█ 21	---	---	---
Iron	ppm	█ 74	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 7	---	---	---
Magnesium	ppm	█ 12	---	---	---
Zinc	ppm	█ 25	---	---	---
Phosphorus	ppm	█ 1361	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 332	---	---	---

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. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP288530
Unique No: 10547399
Signed: Doug Bogart
Report Date: 07 Jul 2023

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GRAPHS

