

OIL ANALYSIS REPORT

**VOLVO
PENTA**

VOLVO PENTA 3940027369 - PORT IPS

Sample No: VPA056860

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056860	VPA047296	---	---
Sample Date	29 Aug 2023	02 May 2022	---	---
Machine Hours	2052	2007	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

JOHNSTONS MARINE SERVICES
1850 NW 15th AVENUE, SUITE 205
POMPANO BEACH, FL
US 33069
Contact: NEIL JOHNSTON
neil@1jms.com
T: (984)448-0813
F:

OIL CONDITION

Visc @ 40°C	cSt	108	111	---	---
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CONTAMINATION

Water	%	0.298	---	---	---
Silicon	ppm	13	4	---	---
Sodium	ppm	34	1	---	---
Potassium	ppm	5	<1	---	---

WEAR METALS

PQ		16	19	---	---
Iron	ppm	187	18	---	---
Copper	ppm	26	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	9	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	2	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	6	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	12	15	---	---
Magnesium	ppm	20	3	---	---
Zinc	ppm	80	6	---	---
Phosphorus	ppm	1343	1397	---	---
Barium	ppm	0	0	---	---
Boron	ppm	281	306	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. Gear wear is indicated. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPJOHDEE
Unique No: 10629924
Signed: Doug Bogart
Report Date: 05 Sep 2023

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GRAPHS

