

OIL ANALYSIS REPORT

VOLVO PENTA

20334570 - INBOARD - PORT GEARBOX

Sample No: VPA036628

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA036628	VPA040661	VPA029782	---
Sample Date	03 Nov 2023	15 Mar 2022	16 Jul 2021	---
Machine Hours	175	123	98	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2
NAPLES, FL
US 34104
Contact: KEITH SPICER
keith_advanceddiesel@yahoo.com
T: (239)580-8731
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 86.97	■ 87.3	■ 81.6	---
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CONTAMINATION

Silicon	ppm	■ 5	■ 6	■ 8	---
Sodium	ppm	■ 0	■ 2	■ 4	---
Potassium	ppm	■ 2	■ 0	■ 0	---

Diagnosis

No corrective action is recommended at this time. 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		■ 27	■ 26	■ 19	---
Iron	ppm	■ 22	■ 16	■ 16	---
Copper	ppm	■ 192	■ 77	■ 94	---
Lead	ppm	■ 2	■ 1	■ 2	---
Tin	ppm	■ 2	■ 2	■ 2	---
Aluminum	ppm	■ 2	■ 3	■ 2	---
Chromium	ppm	■ <1	■ <1	■ <1	---
Molybdenum	ppm	■ 110	■ 109	82	---
Nickel	ppm	■ <1	0	0	---
Titanium	ppm	■ <1	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	■ 1	■ <1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	■ 2484	■ 2795	2206	---
Magnesium	ppm	■ 124	■ 142	320	---
Zinc	ppm	■ 1180	■ 1338	1142	---
Phosphorus	ppm	■ 1160	■ 1179	1050	---
Barium	ppm	■ 5	■ 0	0	---
Boron	ppm	■ 11	■ 10	18	---

Depot: VPADVNP
Unique No: 10729233
Signed: Doug Bogart
Report Date: 07 Nov 2023

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GRAPHS

