

OIL ANALYSIS REPORT

VOLVO PENTA

APEX APOX VOLVO PENTA 3940026433 - PORT IPS

Sample No: VPA060125

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060125	VPA056540	VPA035051	---
Sample Date	20 Aug 2023	10 Jul 2023	15 Jul 2022	---
Machine Hours	2518	0	2797	---
Oil Hours	108	0	497	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	SEVERE	ATTENTION	ATTENTION	---

Sundance Mfg Inc

570 N.E. Tomahawk Isl. Dr.
Portland, OR
US 97217
Contact: CLARK HOLMES
clark@sundanceyachts.com
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F:

OIL CONDITION

Visc @ 40°C	cSt	103	106	99.6	---
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CONTAMINATION

Water	%	0.319	---	---	---
Silicon	ppm	14	12	11	---
Sodium	ppm	16	29	15	---
Potassium	ppm	<1	1	2	---

WEAR METALS

PQ		34	20	28	---
Iron	ppm	469	361	370	---
Copper	ppm	23	21	26	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	8	11	10	---
Chromium	ppm	3	2	2	---
Molybdenum	ppm	<1	<1	1	---
Nickel	ppm	4	4	4	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	1	---
Manganese	ppm	6	5	8	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	6	8	7	---
Magnesium	ppm	4	7	6	---
Zinc	ppm	8	16	25	---
Phosphorus	ppm	1361	1409	1519	---
Barium	ppm	0	0	0	---
Boron	ppm	320	290	342	---

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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP154394
Unique No: 10621686
Signed: Doug Bogart
Report Date: 03 Sep 2023

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GRAPHS

