

OIL ANALYSIS REPORT

VOLVO PENTA

CHRIS JEWELL ALAN VOLVO PENTA 3950003379 - STARBOARD IPS

Sample No: VPA041124

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA041124	VPA035201	---	---
Sample Date	27 Nov 2023	18 Nov 2022	---	---
Machine Hours	397	332	---	---
Oil Hours	0	332	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	SEVERE	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 109	█ 108	---	---
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CONTAMINATION

Water	%	█ 1.05	NEG	---	---
Silicon	ppm	█ 5	<1	---	---
Sodium	ppm	█ 92	█ 5	---	---
Potassium	ppm	█ 6	█ 21	---	---

WEAR METALS

PQ		█ 18	█ 7	---	---
Iron	ppm	█ 91	█ 17	---	---
Copper	ppm	█ 13	2	---	---
Lead	ppm	0	2	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	5	<1	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 7	█ <1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 49	█ <1	---	---
Magnesium	ppm	█ 43	█ 14	---	---
Zinc	ppm	█ 72	█ 0	---	---
Phosphorus	ppm	█ 1376	█ 340	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 258	█ 52	---	---

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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 recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP850387
Unique No: 10766315
Signed: Don Baldrige
Report Date: 04 Dec 2023

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GRAPHS

