

OIL ANALYSIS REPORT

VOLVO PENTA

ALAN HORSMAN VOLVO PENTA 3950005215 - STARBOARD IPS

Sample No: VPA049870
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049870	VPA055414	---	---
Sample Date	19 Mar 2024	08 Sep 2023	---	---
Machine Hours	431	429	---	---
Oil Hours	54	52	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

YACHT BASIN MARINA

1866 OTTAWA BEACH RD
HOLLAND, MI
US 49424
Contact: OIL SAMPLE/PART
kyle@yachtbasinmarina.com
T: (616)786-2205
F:

OIL CONDITION

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

Water	%	NEG	NEG	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	█ <1	█ 3	---	---
Potassium	ppm	█ 0	█ 0	---	---

WEAR METALS

PQ		█ 60	█ 14	---	---
Iron	ppm	█ 87	█ 30	---	---
Copper	ppm	3	5	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	1	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 52	█ 8	---	---
Magnesium	ppm	█ 0	█ 2	---	---
Zinc	ppm	█ 0	█ 0	---	---
Phosphorus	ppm	█ 1272	█ 1290	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 303	█ 334	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The wear metal levels do not reflect the suspected clutch debris. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP718610
Unique No: 10950546
Signed: Jonathan Hester
Report Date: 01 Apr 2024

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GRAPHS

