

OIL ANALYSIS REPORT

VOLVO PENTA

DORR WALTER VOLVO PENTA 3194010182 - PORT IPS

Sample No: VPA055899
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055899	VPA047213	VPA034241	VPA027763
Sample Date	26 Oct 2023	03 Dec 2022	23 Nov 2021	20 Jul 2020
Machine Hours	831	773	710	0
Oil Hours	60	70	70	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

Bayview Yachtcrafters Inc
31785 S. River Road
HARRISON TOWNSHIP, MI
US 48045
Contact: Shawn Robertson
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OIL CONDITION

Visc @ 40°C	cSt	■ 110	■ 110	■ 109	■ 101
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CONTAMINATION

Silicon	ppm	■ 8	■ 8	■ 8	■ 33
Sodium	ppm	■ 0	■ <1	■ 2	■ 9
Potassium	ppm	■ 1	■ 0	■ 0	■ 0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

WEAR METALS

PQ		■ 16	■ 13	■ 21	■ 22
Iron	ppm	■ 82	■ 62	■ 75	▲ 234
Copper	ppm	■ 10	■ 10	■ 12	■ 36
Lead	ppm	■ 0	■ 0	■ 0	■ 1
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ 2	■ 1	■ 2	■ 5
Chromium	ppm	■ <1	■ <1	■ <1	■ 2
Molybdenum	ppm	■ <1	■ <1	■ <1	■ 0
Nickel	ppm	■ <1	■ 0	■ 1	■ 2
Titanium	ppm	■ <1	■ 0	■ 0	■ 0
Silver	ppm	■ 0	■ 0	■ <1	■ 0
Manganese	ppm	■ <1	■ <1	■ 1	■ 4
Vanadium	ppm	■ 0	■ 0	■ 0	■ 0

ADDITIVES

Calcium	ppm	■ 9	■ 14	■ 1	■ 8
Magnesium	ppm	■ <1	■ <1	■ 4	■ 2
Zinc	ppm	■ <1	■ 8	■ <1	■ 22
Phosphorus	ppm	■ 1406	■ 1247	■ 1492	■ 1166
Barium	ppm	■ <1	■ 0	■ 0	■ 0
Boron	ppm	■ 329	■ 313	■ 347	■ 193

Depot: VP151756
Unique No: 10724364
Signed: Sean Felton
Report Date: 03 Nov 2023

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GRAPHS

