

OIL ANALYSIS REPORT



JOE MAISER 505512 VOLVO PENTA 3950001331 - PORT IPS

Sample No: VPA048801

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA048801	VPA048668	VPA031659	VPA023826
Sample Date	14 Dec 2023	03 Mar 2023	22 Jan 2021	27 Sep 2019
Machine Hours	1082	992	797	783
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	NORMAL	NORMAL	NORMAL

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
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 F:

OIL CONDITION

Visc @ 40°C	cSt	112	104	102	108
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CONTAMINATION

Water	%	1.67	NEG	NEG	0.131
Silicon	ppm	3	3	2	2
Sodium	ppm	2	0	1	1
Potassium	ppm	4	2	3	<1

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

WEAR METALS

PQ		28	18	17	19
Iron	ppm	223	110	34	16
Copper	ppm	14	12	5	3
Lead	ppm	<1	<1	0	0
Tin	ppm	1	0	0	0
Aluminum	ppm	6	4	1	<1
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	3	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	25	8	5	3
Magnesium	ppm	7	6	1	0
Zinc	ppm	78	11	6	2
Phosphorus	ppm	1404	1323	1489	1304
Barium	ppm	0	2	<1	0
Boron	ppm	167	295	298	278

Depot: VP297371
Unique No: 10793370
Signed: Jonathan Hester
Report Date: 20 Dec 2023

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VOLVO PENTA

GRAPHS

