

OIL ANALYSIS REPORT

**VOLVO
PENTA**

DAVID MCCARDEL MATTHEW DOW MERCURY MARINE OM974391 - ZEUS POD - PORT GEARBOX

Sample No: VPA060805

Oil Type: MERCURY MARINE SAE 90 HIGH PRO

SAMPLE INFORMATION

Sample Number	VPA060805	VPA042832	VPA035069	---
Sample Date	09 Nov 2023	08 Dec 2022	16 Feb 2022	---
Machine Hours	620	554	471	---
Oil Hours	66	83	91	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	ABNORMAL	---

Mobile Marine Services Inc
01032 Advance Rd South
EAST JORDAN, MI
US 49727
Contact: Duane Kujat
mobilemarine@twin-valley.net
T: Phone
F:

OIL CONDITION

Visc @ 40°C	cSt	173	101	99.7	---
-------------	-----	------------	-----	------	-----

CONTAMINATION

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

Diagnosis

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

WEAR METALS

PQ		20	28	31	---
Iron	ppm	100	203	158	---
Copper	ppm	11	10	17	---
Lead	ppm	1	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	1	2	2	---
Chromium	ppm	1	2	1	---
Molybdenum	ppm	33	8	11	---
Nickel	ppm	2	1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	2	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	59	43	48	---
Magnesium	ppm	<1	1	0	---
Zinc	ppm	22	50	50	---
Phosphorus	ppm	266	1209	1280	---
Barium	ppm	7	0	0	---
Boron	ppm	30	96	66	---

Depot: VP443016
Unique No: 10742964
Signed: Angela Borella
Report Date: 17 Nov 2023

OIL ANALYSIS REPORT



GRAPHS

