

OIL ANALYSIS REPORT

VOLVO PENTA

GREG WRIGHT MATTHEW DOW MERCURY MARINE OM974169 - ZEUS DRIVE - CENTER GEARBOX

Sample No: VPA060135

Oil Type: MERCURY MARINE SAE 90 HIGH PRO

SAMPLE INFORMATION

Sample Number	VPA060135	VPA042486	VPA033734	---
Sample Date	09 Nov 2023	20 Feb 2023	17 Aug 2021	---
Machine Hours	578	470	354	---
Oil Hours	108	79	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	ABNORMAL	ATTENTION	ATTENTION	---

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	157	106	152	---
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CONTAMINATION

Water	%	▲ 0.709	0.117	NEG	---
Silicon	ppm	1	3	2	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	<1	0	0	---

WEAR METALS

PQ		18	12	28	---
Iron	ppm	122	106	▲ 247	---
Copper	ppm	6	16	25	---
Lead	ppm	1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	<1	1	2	---
Molybdenum	ppm	33	8	39	---
Nickel	ppm	1	<1	3	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	3	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	18	64	129	---
Magnesium	ppm	<1	2	0	---
Zinc	ppm	14	55	30	---
Phosphorus	ppm	175	1219	250	---
Barium	ppm	7	0	1	---
Boron	ppm	0	34	15	---

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. All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP443016
Unique No: 10742956
Signed: Angela Borella
Report Date: 17 Nov 2023

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GRAPHS

