

OIL ANALYSIS REPORT

VOLVO PENTA

GREG WRIGHT MATTHEW DOW MERCURY MARINE OM974107 - ZEUS DRIVE - STARBOARD GEARBOX

Sample No: VPA060794

Oil Type: MERCURY MARINE SAE 90 HIGH PRO

SAMPLE INFORMATION

Sample Number	VPA060794	VPA042490	VPA033909	---
Sample Date	09 Nov 2023	20 Feb 2023	17 Aug 2021	---
Machine Hours	587	479	364	---
Oil Hours	108	98	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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	158	103	144	---
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CONTAMINATION

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

WEAR METALS

PQ		30	22	43	---
Iron	ppm	154	113	78	---
Copper	ppm	9	12	28	---
Lead	ppm	1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	49	10	40	---
Nickel	ppm	2	2	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	79	115	376	---
Magnesium	ppm	<1	3	2	---
Zinc	ppm	27	54	46	---
Phosphorus	ppm	294	1255	243	---
Barium	ppm	7	0	2	---
Boron	ppm	18	181	20	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. All other 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.

Depot: VP443016
Unique No: 10742962
Signed: Angela Borella
Report Date: 17 Nov 2023

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GRAPHS

