

OIL ANALYSIS REPORT



ALAN SCOZZAFAVE PATRICK/502272/9400 VOLVO PENTA 3950003609 - PORT IPS

Sample No: VPA049563
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049563	VPA034021	VPA025683	VPA025844
Sample Date	17 Aug 2023	05 Apr 2022	01 Mar 2021	27 May 2020
Machine Hours	0	390	286	219
Oil Hours	0	104	67	149
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

Endor Marine LLC - Coastal Marine - 152124
 4300 11th Ave. NW
 SEATTLE, WA
 US 98107
 Contact: WILLOW YANARELLA
 service@coastalmarineengine.com
 T: (206)784-3703
 F: (206)784-8823

OIL CONDITION

Visc @ 40°C	cSt	113	110	107	104
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Water	%	---	---	---	0.213
Silicon	ppm	1	<1	9	2
Sodium	ppm	<1	<1	1	<1
Potassium	ppm	1	0	14	2

Diagnosis

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		10	17	20	18
Iron	ppm	4	15	32	14
Copper	ppm	0	2	2	3
Lead	ppm	0	0	1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	1	0
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	6	1	28	7
Magnesium	ppm	<1	<1	6	25
Zinc	ppm	3	0	12	3
Phosphorus	ppm	1489	1405	1366	1316
Barium	ppm	0	0	<1	0
Boron	ppm	331	373	313	271

Depot: VP794951
Unique No: 10615285
Signed: Sean Felton
Report Date: 23 Aug 2023

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

