

OIL ANALYSIS REPORT



IAN PORTER SAM VOLVO PENTA 3194008293 - STARBOARD IPS

Sample No: VPA059130
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059130	VPA048328	VPA037121	---
Sample Date	09 Jan 2024	23 Mar 2022	20 Jan 2022	---
Machine Hours	1046	0	0	---
Oil Hours	190	0	0	---
Oil Changed	Changed	N/A	N/A	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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	108	110	104	---
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Water	%	0.341	NEG	NEG	---
Silicon	ppm	25	17	10	---
Sodium	ppm	17	1	1	---
Potassium	ppm	3	0	0	---

WEAR METALS

PQ		30	31	19	---
Iron	ppm	322	18	8	---
Copper	ppm	22	1	5	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	7	4	<1	---
Chromium	ppm	2	<1	0	---
Molybdenum	ppm	2	2	<1	---
Nickel	ppm	2	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	4	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	7	4	6	---
Magnesium	ppm	8	<1	<1	---
Zinc	ppm	4	0	8	---
Phosphorus	ppm	1286	1366	1276	---
Barium	ppm	0	0	0	---
Boron	ppm	266	303	328	---

Diagnosis

No corrective action is recommended at this time. Oil and filter 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 a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP794951
Unique No: 10836562
Signed: Sean Felton
Report Date: 22 Jan 2024

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

