

OIL ANALYSIS REPORT



BLAKE LANTZ PATRICK/502824-7250 VOLVO PENTA 3940016337 - STARBOARD IPS

Sample No: VPA059195
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059195	VPA034067	---	---
Sample Date	12 Mar 2024	16 Aug 2022	---	---
Machine Hours	739	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	SEVERE	---	---

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	█ 111	---	---
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CONTAMINATION

Water	%	NEG	▲ 4.49	---	---
Silicon	ppm	9	26	---	---
Sodium	ppm	█ 4	█ 408	---	---
Potassium	ppm	█ 5	█ 17	---	---

WEAR METALS

PQ		█ 20	█ 11	---	---
Iron	ppm	█ 49	▲ 483	---	---
Copper	ppm	█ 14	█ 62	---	---
Lead	ppm	0	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	█ 13	---	---
Chromium	ppm	█ <1	█ 4	---	---
Molybdenum	ppm	█ 4	█ <1	---	---
Nickel	ppm	█ <1	█ 10	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 2	█ 8	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 75	█ 28	---	---
Magnesium	ppm	█ 12	71	---	---
Zinc	ppm	█ 30	█ 40	---	---
Phosphorus	ppm	█ 1222	█ 1327	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 286	█ 284	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.

Depot: VP794951
Unique No: 10928633
Signed: Sean Felton
Report Date: 19 Mar 2024

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**VOLVO
PENTA**

GRAPHS

