

OIL ANALYSIS REPORT

VOLVO PENTA

CHARLIE WICKERS PATRICK/502926-7250 VOLVO PENTA 3200003206 - STARBOARD IPS

Sample No: VPA061949

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA061949	VPA060022	---	---
Sample Date	16 Apr 2024	21 Feb 2024	---	---
Machine Hours	215	194	---	---
Oil Hours	0	75	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	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	■ 91.1	■ 91.0	---	---
-------------	-----	--------	--------	-----	-----

CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	2	2	---	---
Sodium	ppm	■ 4	■ 3	---	---
Potassium	ppm	■ 2	■ 3	---	---

Diagnosis

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.

WEAR METALS

PQ		■ 28	■ 22	---	---
Iron	ppm	■ 44	■ 34	---	---
Copper	ppm	■ 12	9	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ <1	■ 0	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 2	■ 2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	22	■ 18	---	---
Magnesium	ppm	■ 325	■ 328	---	---
Zinc	ppm	■ 7	■ 10	---	---
Phosphorus	ppm	■ 1508	■ 1505	---	---
Barium	ppm	■ 2	■ 0	---	---
Boron	ppm	■ 602	■ 537	---	---

Depot: VP794951
Unique No: 10991717
Signed: Sean Felton
Report Date: 24 Apr 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

