

OIL ANALYSIS REPORT



EVAN LIN DANIEL/502923 VOLVO PENTA 3200000150 - PORT IPS

Sample No: VPA061865
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA061865	VPA045705	VPA035137	---
Sample Date	17 Apr 2024	24 May 2023	13 Jan 2022	---
Machine Hours	287	249	185	---
Oil Hours	0	0	185	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	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	107	103	87.5	---
-------------	-----	------------	-----	------	-----

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	2	4	---
Sodium	ppm	16	2	3	---
Potassium	ppm	2	3	3	---

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		19	16	23	---
Iron	ppm	21	23	50	---
Copper	ppm	4	10	23	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	4	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	3	0	---
Manganese	ppm	<1	1	3	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	0	3	24	---
Magnesium	ppm	0	235	910	---
Zinc	ppm	0	0	8	---
Phosphorus	ppm	1453	1549	1540	---
Barium	ppm	0	0	0	---
Boron	ppm	326	415	500	---

Depot: VP794951
Unique No: 11022344
Signed: Sean Felton
Report Date: 14 May 2024

OIL ANALYSIS REPORT



GRAPHS

