

OIL ANALYSIS REPORT

VOLVO PENTA

ROBERT TUTLAND AJD502764 ZF 5001359A - INBOARD - GEARBOX

Sample No: VPA060246

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA060246	---	---	---
Sample Date	13 Feb 2024	---	---	---
Machine Hours	1139	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	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	■ 89.1	---	---	---
-------------	-----	--------	-----	-----	-----

CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 3	---	---	---
Iron	ppm	■ 2	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 47	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 3391	---	---	---
Magnesium	ppm	■ 40	---	---	---
Zinc	ppm	■ 1135	---	---	---
Phosphorus	ppm	■ 1010	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 406	---	---	---

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.

Depot: VP794951
Unique No: 10884070
Signed: Don Baldrige
Report Date: 18 Feb 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

