

OIL ANALYSIS REPORT

VOLVO PENTA

DARYL PERFEERST SAM ZF 20052583 - INBOARD - STARBOARD GEARBOX

Sample No: VPA062853

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA062853	VPA035146	VPA025671	---
Sample Date	19 Apr 2024	13 Jan 2022	04 Sep 2020	---
Machine Hours	645	531	0	---
Oil Hours	114	0	0	---
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	■ 87.7	■ 81.8	■ 82.0	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 10	■ 8	■ 10	---
Sodium	ppm	■ <1	■ 1	■ <1	---
Potassium	ppm	■ 0	■ 0	■ <1	---

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		■ 45	■ 83	■ 80	---
Iron	ppm	■ 44	■ 90	■ 89	---
Copper	ppm	■ 140	■ 437	■ 469	---
Lead	ppm	■ 1	■ 14	■ 11	---
Tin	ppm	■ <1	■ 2	■ 2	---
Aluminum	ppm	■ 34	■ 96	■ 124	---
Chromium	ppm	■ <1	<1	<1	---
Molybdenum	ppm	■ 37	■ 3	■ 4	---
Nickel	ppm	■ 0	1	2	---
Titanium	ppm	■ 0	1	2	---
Silver	ppm	■ 0	0	<1	---
Manganese	ppm	■ <1	■ 1	■ 1	---
Vanadium	ppm	■ 0	0	0	---

ADDITIVES

Calcium	ppm	■ 3577	■ 2165	■ 2446	---
Magnesium	ppm	■ 19	■ 23	■ 27	---
Zinc	ppm	■ 1222	■ 984	■ 1097	---
Phosphorus	ppm	■ 1072	■ 833	■ 920	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 380	■ 8	■ 14	---

Depot: VP794951
Unique No: 10994838
Signed: Jonathan Hester
Report Date: 26 Apr 2024

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GRAPHS

