

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRANT BOEN 505830 ZF 203332 14 - INBOARD - PORT GEARBOX

Sample No: VPA052140

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA052140	VPA041037	VPA029985	---
Sample Date	18 Jan 2024	12 Dec 2022	06 Jan 2022	---
Machine Hours	651	577	464	---
Oil Hours	74	100	280	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ATTENTION	ATTENTION	SEVERE	---

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.
SAINT CLAIR SHORES, MI
US 48080

Contact: CORT CORINO
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T: (773)641-6947

F:

OIL CONDITION

Visc @ 40°C	cSt	85.7	82.8	78.7	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	8	11	11	---
Sodium	ppm	4	3	4	---
Potassium	ppm	<1	0	1	---

WEAR METALS

PQ		45	49	49	---
Iron	ppm	127	205	367	---
Copper	ppm	201	333	651	---
Lead	ppm	2	3	5	---
Tin	ppm	14	23	44	---
Aluminum	ppm	4	6	12	---
Chromium	ppm	<1	1	2	---
Molybdenum	ppm	39	41	41	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	1	2	3	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	3133	3475	3524	---
Magnesium	ppm	25	13	14	---
Zinc	ppm	1013	1080	1033	---
Phosphorus	ppm	874	930	1047	---
Barium	ppm	1	0	<1	---
Boron	ppm	457	438	482	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Clutch and/or bushing/bearing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP297371

Unique No: 10848632

Signed: Jonathan Hester

Report Date: 30 Jan 2024

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GRAPHS

