

OIL ANALYSIS REPORT

**VOLVO
PENTA**

SEA COAST CHARTER 205321 ZF 20297282 - INBOARD - STARBOARD GEARBOX

Sample No: VPA036781

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA036781	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	312	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Cogswell Marine & Motorsports, Inc
865 Stella Street
CHULA VISTA, CA
US 91911
Contact: Mitchell Cogswell
Cogswellmarinemotorsports@gmail.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 88.55	---	---	---
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CONTAMINATION

Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

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		■ 16	---	---	---
Iron	ppm	■ 21	---	---	---
Copper	ppm	■ 13	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 78	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 3294	---	---	---
Magnesium	ppm	■ 38	---	---	---
Zinc	ppm	■ 1217	---	---	---
Phosphorus	ppm	■ 1047	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 259	---	---	---

Depot: VP152133
Unique No: 10620378
Signed: Doug Bogart
Report Date: 25 Aug 2023

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GRAPHS

