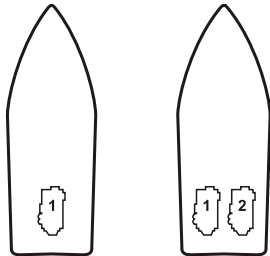


	<h2 style="margin: 0;">Service Protocol</h2> <div style="text-align: right; font-weight: bold; font-size: 1.2em; margin: 5px 0;">VOLVO PENTA</div> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <p style="margin: 0; font-size: 0.9em;">Marine Diesel D1, Marine Diesel D2, Drive 130S, 150S, Reverse Gear HS25, MS10, MS15, MS25</p>
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<div style="border-bottom: 1px solid black; padding: 2px;">Vessel</div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; padding: 2px;">Customer</div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div>	
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Engine Hours	Serial number Engine	Serial number Transmission	Chassi ID
Driveline #1			
Driveline #2			

☐

Warranty repairs

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☐

Campaign No.

.....

.....

.....

Total Labor Hours

.....

Name

.....

Signature

.....

Date

.....

Dealer Stamp

S1

After the first 50 hours			✓
Transmission, oil and filter ⁽¹⁾	Replace	•	<input type="checkbox"/>

1) Reverse Gear HS25, oil filter replace

A

Recommended once a year		Every 200 hours	✓
D1 engines: Engine oil and oil filters	Replace	•	<input type="checkbox"/>
Coolant level and antifreeze mixture	Inspect	• / o	<input type="checkbox"/>
Drive Belts	Inspect	• / o	<input type="checkbox"/>
Fuel pre-filter, draining water / contamination	Clean	•	<input type="checkbox"/>
Seawater filter	Clean	• / o	<input type="checkbox"/>
Impeller in seawater pump	Inspect	• / o	<input type="checkbox"/>
Transmission, oil and filter ⁽¹⁾	Replace	•	<input type="checkbox"/>
Anode, protection system	Inspect	• / o	<input type="checkbox"/>
Propellershaft seals (Lubrication of shaft splines) ⁽²⁾	Inspect	•	<input type="checkbox"/>
Exhaust hose	Inspect	•	<input type="checkbox"/>
Seawater intake	Inspect	•	<input type="checkbox"/>

1) Reverse Gear HS25, oil filter replace

2) Only inboard.

B

Recommended once a year		Every 400 hours	✓
D2 engines: Engine oil and oil filters	Replace	•	<input type="checkbox"/>
Fuel pre-filter, filter insert	Replace	•	<input type="checkbox"/>
Fuel fine filter	Replace	•	<input type="checkbox"/>
Vacuum Valve	Inspect	•	<input type="checkbox"/>
Idling	Inspect	•	<input type="checkbox"/>
S-drive, Rubber Sealing between Drive and Hull	Inspect	•	<input type="checkbox"/>
Folding Propeller	Inspect	•	<input type="checkbox"/>

C

Recommended every second year		Every 400 hours	✓
Air Filter	Replace	•	<input type="checkbox"/>
Impeller in seawater pump	Replace	•	<input type="checkbox"/>

D

Recommended every fourth year		Every 600 hours /	✓
Valve clearance	Inspect	•	<input type="checkbox"/>
Exhaust hose	Replace	•	<input type="checkbox"/>
Drive Belts	Replace	•	<input type="checkbox"/>

E

Recommended every fourth year		Every 2000 hours	✓
Coolant	Replace	•	<input type="checkbox"/>

F

Every 7 years			✓
S-drive, Rubber Sealing between Drive and Hull	Replace	•	<input type="checkbox"/>

Service Type A-F (in accordance with Service and Maintenance manual).

Operation "Inspect" includes if necessary: cleaning, adjustment, lubrication and replace.

S1 = Special Interval Service

• = Service operation is recommended to be performed by an authorized Volvo Penta dealer.

○ = Service operation could be performed by owner/operator.

Miscellaneous

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