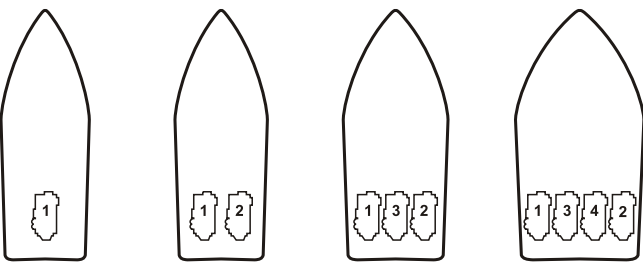


	<h2 style="margin: 0;">Service Protocol</h2> <div style="text-align: right; font-weight: bold; font-size: 1.2em; margin-top: 10px;">VOLVO PENTA</div> <hr style="border: 0.5px solid black; margin: 10px 0;"/> <p style="font-size: 0.8em; margin: 0;">D13B-C MP, D13B-G MP, D13B-K MP, D13B-L MP, D13C2-A MP, D13C4-A MP, IPS3-A, IPS3-C</p>
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IPS900 Rating 3: D13C4-A MP (IPS3-A) IPS1050 Rating 4: D13C4-A MP (IPS3-A), D13C2-A MP (IPS3-A), D13B-C MP (IPS3-A), D13B-G MP (IPS3-A), D13B-K MP (IPS3-A), D13B-L MP (IPS3-A)
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Vessel <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> Customer <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div>	
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Engine Hours	Serial number Engine	Serial number Transmission	Chassi ID
Driveline #1			
Driveline #2			
Driveline #3			
Driveline #4			

☐ Warranty repairs

.....

☐ Campaign No.

.....

Conditions for 1000h serviceinterval

- Approved Volvo Penta oil analysis
- Genuine Volvo Penta filters
- Oil quality= min VDS3
- Fuel quality= max 500 ppm sulphur

Total Labor Hours

.....

Name

.....

Signature

.....

Date

.....

Dealer Stamp

FSI = First Service Inspection
 S1, S2, S3 = Special Interval Service
 A - F = Type of service (regular service)

C = Clean
 R = Replace
 A = Adjustment
 L = Lubrication
 I = Inspection (includes, if necessary, cleaning, adjustment, lubrication and change)

FSI = First Service Inspection

After the first 50-100 hours ⁽¹⁾	
Start and warm up engine	
Engine and transmission, abnormal noises	I
Engine and transmission, oil / fuel / water leakage	I

1) Or within 180 days of the date of delivery, or the end of the first season, whichever comes first.

S1

Every 500/ 1000 hours / at least every 12 month ⁽¹⁾	
Engine Oil and Oil Filters / By-pass filter	R

1) 1000h service intervals require an approved oil analysis. Oil change intervals vary, depending on oil grade, sulfur content of the fuel and running conditions.

S2

Oil Analysis	I
Schedule	<ul style="list-style-type: none"> • After the first 600 hours • After the first 800 hours • Every 1000 hours / at least every 12 month
See dealer's information	

S3

After the first 1000 hours	
Valve clearance	I

A

Every 500 hours /		At least every (month)		
		12	24	48
Transmission, oil and filter	R		•	
Start and warm up engine				
Engine and transmission, abnormal noises	I	•		
Engine and transmission, oil / fuel / water leakage	I	•		

B

Every 1000 hours /		At least every (month)		
		12	24	48
Inspection with VODIA (Diagnostic Tool) ⁽¹⁾	I	•		
Coolant level and antifreeze mixture	I	•		
Drive belts, belt tensioner and idler wheels	I	•		
Batteries, electrolyte level	I	•		
Air Filter	R	•		
Fuel pre-filter, filter insert	R	•		
Fuel fine filter	R	•		
Seawater filter	C	•		
Impeller in seawater pump ⁽²⁾	R	•		
Anodes - Charge air cooler and / or Heat exchanger. (Must not be painted)	R	•		
Engine and transmission, inspect hoses and cable clamping	I	•		
Engine and transmission, cleaning / painting	I	•		
Drive unit, function check of exhaust cock	I	•		
Start and warm up engine				
Engine and transmission, abnormal noises	I	•		
Engine and transmission, oil / fuel / water leakage	I	•		

1) Readout if any fault codes and LVD

2) Inspect wear kit

C

Every 1500 hours /		At least every (month)		
		12	24	48
Propellershaft seal. (Lubrication of shaft splines)	R			
Anode - Lower Gear. (Must not be painted)	R	•		

D

Every 2000 hours /		At least every (month)		
		12	24	48
Valve clearance	I			
Drive Belt	R			•
Turbocharger, inspect / clean as required	I		•	

E




Every 3000 hours /		At least every (month)		
		12	24	48
Wear kit in seawater pump	R			

F

Every 8000 hours /		At least every (month)		
		12	24	48
Coolant VCS (yellow) ⁽¹⁾	R			●

1) Different types of coolant must not be mixed with each other.

[illegible]

Oil Analysis	
After the first 600 hours	<p>Approved Volvo Penta oil analysis</p> 
Test result evaluation	
After the first 800 hours	<p>Approved Volvo Penta oil analysis</p> 
Test result evaluation	
Every 1000 hours / at least every 12 month	<p>Approved Volvo Penta oil analysis</p> 
Test result evaluation	