

1 ➤ 4 Check the motor oil level frequently with the dipstick. When oil is to be changed, remove dipstick and withdraw oil from crankcase through withdrawal/dipstick tube. The oil withdrawal tube is provided so oil does not have to be drained into the bilge. Withdraw oil with a suction pump.

Fill the crankcase to the specified capacity with a quality motor oil labeled for service category SG/CD which meets General Motors Standard GM-6094-M or Ford Specification ESE-M2C153-E. Oils conforming to this standard contain detergent and anti-wear additives that will prolong engine life. Volvo Penta Dura Plus™ Synthetic Motor Oil P/N 3851230-7 exceeds both manufacturers standards.

When changing motor oil, select from the following chart the SAE viscosity that matches the temperature range in which the boat will be operated. If it's necessary to add motor oil, use motor oil of the same viscosity.

IF THE LOWEST ANTICIPATED TEMPERATURE IS:	THE FOLLOWING SAE VISCOSITY OILS ARE RECOMMENDED:
32° F (0° C) and above	SAE 30
0° F (-18° C) to 32° F (0° C)	SAE 20W-20
Below 0° F (-18° C)	SAE 10W

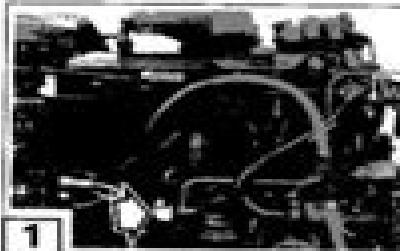
Note Disregard any reference to multi-viscosity oil printed on engine. Such reference is intended for automotive use only and not marine application. Do not fill above full mark. Overfilling results in high operating temperatures, foaming (air in oil), loss of power, and overall reduced engine life.

Crankcase Capacities

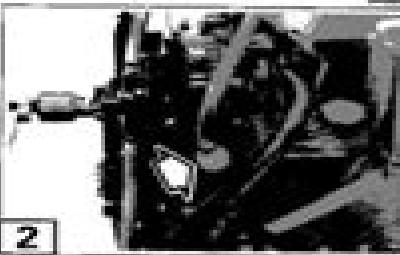
Model	Less Filter	With Filter
3.0 GL and GS	3.5 qts. (3.3 liters)	4.0 qts. (3.8 liters)
4.3 GL and GS	4.0 qts. (3.8 liters)	4.5 qts. (4.3 liters)
5.0 FL	5.0 qts. (4.7 liters)	6.0 qts. (5.7 liters)
5.7 GL and GI	4.0 qts. (3.8 liters)	5.0 qts. (4.7 liters)
5.8 FL	5.0 qts. (4.7 liters)	6.0 qts. (5.7 liters)
5.0 Fi	5.0 qts. (4.7 liters)	6.0 qts. (5.7 liters)
5.8 Fi	4.0 qts. (3.8 liters)	5.0 qts. (4.7 liters)
7.4 and 8.2 GL	6.0 qts. (5.7 liters)	7.0 qts. (6.6 liters)

Oil Filter

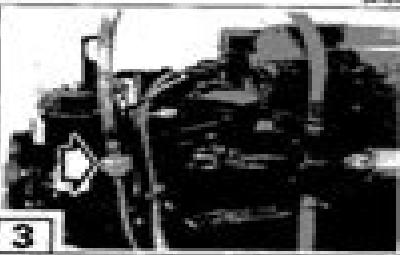
2 Replace the oil filter whenever the motor oil is changed. This filter is a self-contained, screw-on type. To remove, unscrew filter canister counterclockwise and discard. When attaching a new filter, be sure the gasket is lightly lubricated with motor oil. Hand tighten only, run engine and check for leaks. Do not run engine without supplying cooling water. See Tune-up Specifications for model and filter requirements.



1



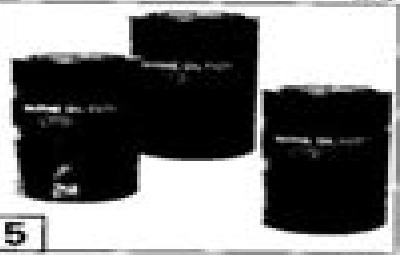
2



3



4



5

Volvo Penta Gi Manual

K Morrison

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Volvo Penta (Seloc) Seloc,2008 This manual covers the topics that a factory service manual designed for factory trained mechanics and a manufacturer owner s manual designed more by lawyers than boat owners these days covers It will take you through the basics of maintaining and repairing your motor step by step to help you understand what the factory trained mechanics already know by heart Page 1 2 **VOLVO PENTA MD 5** Volvo Penta,2015-04-13 *Pumping Manual* ,1979

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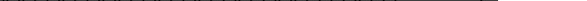
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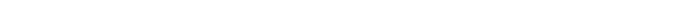
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web ansys mechanical workbench supports addition of a point mass that is associated with one or more faces the point mass will load the associated faces face behavior can be set to deformable or rigid it may be of interest to measure the forces on the point mass