



MERCRUISER SERVICE BULLETIN

Section : 10 (Bulletins)

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- A. Revised Crankcase Oil Recommendations - All Engines (P. 1C-5)
- B. 20-Hour Break-In Procedure - All MerCruiser Engines (P. 1C-6)

Following Are the Revised Crankcase Oil Recommendations and 20-Hour Break-In Procedure as They Appear in All MerCruiser "Operation and Maintenance Manuals" Printed after June 1, 1971. This Information Replaces All Previous Information and Applies to All MerCruiser Engines.

A. REVISED CRANKCASE OIL RECOMMENDATIONS - All MerCruiser Engines

(Apply Reference Sticker on General Information Section IC, Page 1C-5)

SELECTING CRANKCASE OIL and CHANGE INTERVALS

Crankcase oil should be selected to give best performance under the climatic and operating conditions prevalent in the area in which the engine is operated. An oil, which will provide adequate lubrication under high operating temperatures, is required during warm or hot weather. An oil, which will permit easy starting at the lowest atmospheric temperature likely to be encountered, should be used during the colder months. When crankcase is drained and refilled, crankcase oil should be selected on the basis of prevailing temperature for period during which oil is to be used.

We recommend Kiekhaefer 4-Cycle Marine Motor Oil Formula 4R or, if not available, any good grade automotive oil of correct viscosity which has an A.P.I. classification of "MS" or "SD".

The following charts show the recommended viscosity for various temperature ranges and also the intervals at which the oil should be changed.

20-HOUR BREAK-IN PERIOD

SAE 20W "MS" or "SD" plus one pint (.47 liter) Quicksilver 4-Cycle Engine Oil Supplement (C-92-33365-1)*. Change oil filter after 20 hours of operation.

**A can of this additive was shipped with your engine and must be used. Use of additives other than this is not recommended, as they may prevent proper piston ring seating.*

(OVER)

AFTER 20-HOUR BREAK-IN PERIOD

Prevailing Daytime Temperature during Interval Oil Will Remain in Crankcase	Viscosity and API Classification	Oil and Oil Filter Change Intervals
0°F (-18°C) to 32°F (0°C)	SAE 20W "MS" or "SD"	50 Hours of Operation or 30 Days, Whichever Occurs First
32°F (0°C) to 90°F (32°C)	SAE 30 "MS" or "SD"	100 Hours of Operation or 60 Days, Whichever Occurs First
90°F (32°C) and Above	SAE 40 "MS" or "SD"	

B. 20-HOUR BREAK-IN PROCEDURE - All MerCruiser Engines

(Apply Reference Sticker on General Information Section IC, Page IC-6)

The first 20 hours of operation are the break-in period for your engine. During this period, it is extremely important that the recommended crankcase oil is used (see preceding for recommendation) and the engine is operated as outlined in the following information. Proper break-in is essential in obtaining minimum oil consumption and maximum engine performance and service.

1. Do not operate below 1500 RPM for extended periods during the first 10 hours. During this period, shift into gear as soon as possible after starting engine and advance throttle so that RPM is above 1500.
2. Do not operate at any one constant speed for extended periods.
3. Do not exceed 75% of full throttle during the first 10 hours. During the next 10 hours, operate at intermittent full throttle.
4. Avoid full throttle starts.
5. Do not operate at full throttle until engine reaches normal operating temperature.
6. Observe instruments. If an abnormal reading occurs, immediately stop engine and determine cause.