



service bulletin

TO: SERVICE MANAGER TECHNICIANS
 PARTS MANAGER

No. 94-4

Revised September, 1994

A. GASOLINE RECOMMENDATION FOR ALL MERCUISER MODELS

USA and Canada

Model	Gasoline (Notes 2 & 3)	Additives
1987 and Newer: V8 350 cid, Except EFI Models. (Note 1) 1990 and Newer: 4 Cyl 181 cid, V8 454, & 502 cid, Except EFI Models. (Note 1) 1991 and Newer: V8 540 & 572 cid, Except Supercharged Models. (Note 1)	87 (R+M)/2 Minimum Octane Unleaded Regular or Premium Without Alcohol DO NOT USE Leaded Gasoline	None Required
EFI: V8 350,454 & 502 cid. (Notes 1 & 4)	87 (R+M)/2 Minimum Octane Unleaded Regular or Premium Without Alcohol DO NOT USE Leaded Gasoline	None Required
V6 and All Other Older 4, 6 Cyl & V8 Models, Except Supercharged Models.	87 (R+M)/2 Minimum Octane Unleaded Regular or Premium Without Alcohol DO NOT USE Leaded Gasoline	Quicksilver Valve Lubricant
Supercharged Models. (Note 1)	92 (R+M)/2 Minimum Octane Unleaded Premium Without Alcohol DO NOT USE Leaded Gasoline	None Required

Note 1: The cylinder heads on these engines have hardened exhaust valve seat inserts.

Note 2: If gasoline with alcohol must be used, periodically inspect complete fuel system for leaks and do not store fuel in boat's fuel tank for long periods of time.

Note 3: To increase valve life on all MerCruiser engines, the following recommendations should be considered;

- 2 Use a propeller that allows engine to operate at or near the top of its maximum RPM range when at full throttle with a normal boat load.
- 2 Operation at 3/4 throttle setting or lower is recommended. Refrain from prolonged operation at maximum (full throttle) RPM.

Note 4: MCM 5.7L Alpha or Bravo EFI: S/N 0F415136 and Below, MCM/MIE 454 & 502 Magnum Stern Drive or Ski EFI: S/N 0F417515 and Below, MIE 350 Magnum Ski EFI: S/N 0F350545 and Below. USE 87 (R+M)/2 Minimum Octane Unleaded REGULAR Gasoline Without Alcohol. DO NOT USE Premium or Leaded Gasoline.

Outside USA and Canada: See Other Side.

A. GASOLINE RECOMMENDATION FOR ALL MERCUISER MODELS

Outside USA and Canada

Model	Gasoline (Notes 2, 3 & 4)	Additives
1987 and Newer: V8 350 cid, Except EFI Models. (Note 1) 1990 and Newer: 4 Cyl 181 cid, V8 454, & 502 cid, Except EFI Models. (Note 1) 1991 and Newer: V8 540 & 572 cid, Except Supercharged Models. (Note 1)	90 RON Minimum Octane Major Brand of Unleaded Regular or Premium Without Alcohol	None Required
EFI: V8 350,454 & 502 cid. (Notes 1 & 5)	90 RON Minimum Octane Major Brand of Unleaded Regular or Premium Without Alcohol	None Required
V6 and All Other Older 4, 6 Cyl & V8 Models, Except Supercharged Models.	90 RON Minimum Octane Major Brand of Unleaded Regular or Premium Without Alcohol	Quicksilver Valve Lubricant
Supercharged Models	98 RON Minimum Octane Unleaded Premium Without Alcohol	None Required

Note 1: The cylinder heads on these engines have hardened exhaust valve seat inserts.

Note 2: If gasoline with alcohol must be used, periodically inspect complete fuel system for leaks and do not store fuel in boat's fuel tank for long periods of time.

Note 3: If unleaded gasoline is not available, use a major brand of leaded gasoline.

Note 4: To increase valve life on all MerCruiser engines, the following recommendations should be considered;

- 2 Use a propeller that allows engine to operate at or near the top of its maximum RPM range when at full throttle with a normal boat load.
- 2 Operation at 3/4 throttle setting or lower is recommended. Refrain from prolonged operation at maximum (full throttle) RPM.

Note 5: MCM 5.7L Alpha or Bravo EFI: S/N 0F415136 and Below, MCM/MIE 454 & 502 Magnum Stern Drive or Ski EFI: S/N 0F417515 and Below, MIE 350 Magnum Ski EFI: S/N 0F350545 and Below. USE 90 RON Minimum Octane Unleaded REGULAR Gasoline Without Alcohol. DO NOT USE Premium Gasoline.

USA and Canada: See Other Side.