

MICROLON PRODUCTS

AWARD WINNING METAL TREATMENT TECHNOLOGY



Marine 4-Stroke Engine Treatment

Treatment instructions are covered step-by-step on this page we have two treatment options. It is recommended that you carefully read all instructions prior to installation to decide which option will work best for you. These instructions will work for any type of 4-stroke gas engine: Inboard, Outboard, or Jet Drive.

OPTION ONE – Standard Engine Treatment

- 1. Oil Change.** Change the oil and filter before installing the Microlon Engine Treatment. After treating your engine with Microlon, do not change the oil for at least 20 hours of running time. Thereafter use regular oil change intervals in accordance with your boat's recommended schedule.
- 2. Shake Well.** Shake Microlon products thoroughly before adding to engine. The Microlon resin is held in suspension only after being shaken up from the bottom of the can. Letting cans soak in hot water for a few minutes helps release the resin and makes shaking easier. Start engine and let it run until it reaches normal operating temperature before adding Microlon Engine Treatment
- 3. Add Microlon Fuel Treatment.** Microlon liquid treats the top of your engine through the fuel system. Make sure to shake the Fuel System Treatment well before adding to fuel tank. Tank should be at a ¼ tank or less. Install just before leaving dock. Burning half of the fuel should be good. Refuel. For proper treatment, it is not necessary to treat the fuel system at the same time you treat the engine. Treating the fuel system with low fuel is more important.
- 4. Add Microlon to the Crankcase.** Microlon also treats your engine through the oil. First bring engine to operating temperature. In colder outdoor temperatures, add Microlon to a running engine, use a funnel to add Microlon through the dipstick opening. In warmer outdoor temperatures, with engine off, take the oil filler cap off and add the Microlon.
- 5. Run Boat for one to two hours.** Heat is an important part of the treatment process. The Microlon treatment needs this time to heat and cleanse the engine so that the film that provides the savings and protection can form in the engine.

OPTION TWO – Dock and limited run time treatment

- 1. Complete steps 1 thru 4 as instructed.**
- 2. Run Engine.** Heat is an important part of the treatment process. To minimize the time it takes running your boat you can use this two step process to complete the treatment.
 - a.** Run boat dockside for 45 minutes while you limit the amount of cooling water flowing through the engine. You do this by clamping down on the water inlet hose with a set of hose pinch off pliers (see picture below). You need to be extra cautious not to let the engine temperature to get above 200°F. This could cause engine damage. Using a temperature gun infrared thermometer would be handy here. When temperature reaches 200°F, take off clamp and let engine continue to run. Re-clamp when temperature goes down to 180°F or lower. Repeat as often as needed during the 45 minute dockside treatment.
 - b.** Remove pliers and take boat out for a 30 to 45 minute ride. This will give the treatment the remaining time it needs to cleanse the engine so that the film that provides the savings and protection can form in the engine.
 - c.** Check fluids levels prior to treatment, when finished with run Recheck and top off if needed.

Note: When adding fluids to crankcase in either option, you might need to make room for C-90, the engine treatment however will flow thru the oil and burn off during treatment.



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Outdrive (if applicable)

- 1.** Shake well.
- 2.** Add Microlon Compound 90 to the outdrive, you will need to remove the same amount of fluid as the amount of Microlon Compound 90 you are adding. Do not overfill. Unlike an engine, the outdrive or transmission does not need to be run immediately after installation. However, it should be run as soon as possible. Don't forget to check fluid level first. If low you might not need to take any out.

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