



TC W3

Mineral oil for 2-stroke engines of water-equipment.
 Contains atomic revitalizant.
 The base oil is formulated with high-quality oil from the North Sea shelf.



1L Art. XA 22117	\$10.99
20L Art. XA 22517	\$197.99
200L Art. XA 22717	\$1853.00

Package: 0.5-20 L can; 60 and 200 L barrel. The delivery cost is not included.
 The prices are valid for Ebay XADO Shop <http://stores.ebay.com/XADO-Shop>

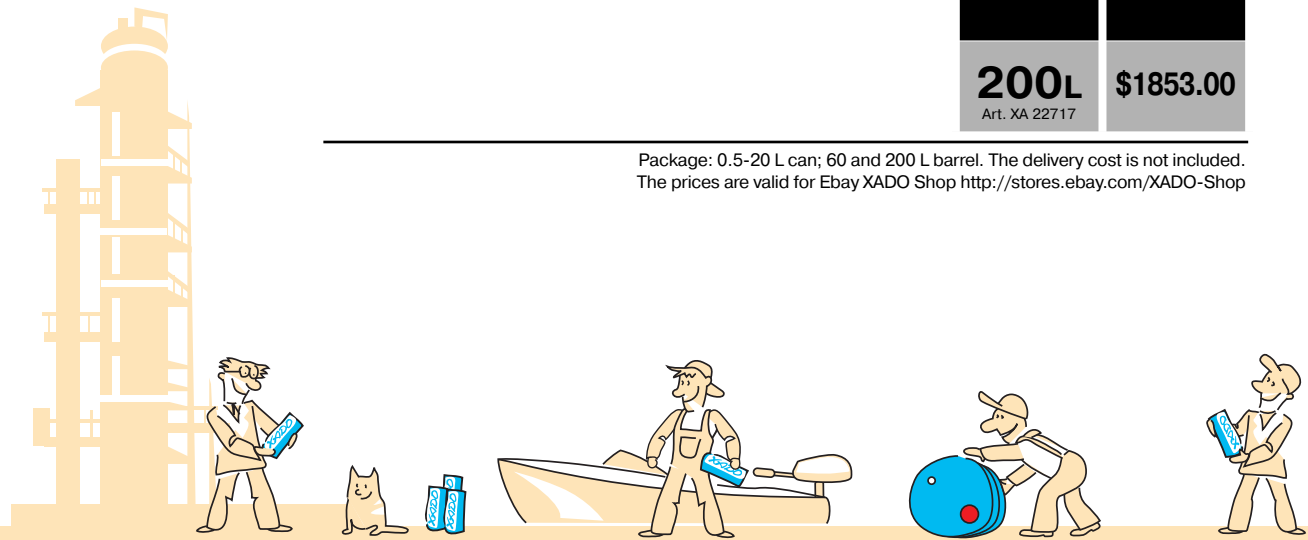
OILS

GREASES

REVITALIZANTS

SPECIAL FLUIDS

AUTOCHEMISTRY



ADVANTAGES

XADO Atomic oil TC W3 is a modern ash-free mineral oil for 2-stroke engines. It is based on specially refined base oils from the North Sea shelf.

It is used in engines of **motorboats, water motorcycles** and other motor equipment with a water-cooling system. It is specially designed for high-loaded 2-stroke outboard boat engines.

Power, reliability, and perfect operation are always on a high level due to the patented formula of the atomic revitalizant, which is a part of the composition of the XADO Atomic oil. The use of the revitalizant is acknowledged to be a groundbreaking direction in saving energy and resources and is confirmed by certified tests in 35 countries of the world.

ADDITIONAL ADVANTAGES

- Specially designed for modern 2-stroke outboard motors for boats with water-cooling systems.
- Universal in application. It can be used in engines with both separate lubricating system, and combined one (ratio up to 1:100).
- Possesses an excellent fluidity and dissolubility; it can be easily mixed with fuel.
- Keeps engine clean; prevents the formation of scale in the combustion chamber and exhaust windows.
- Due to the "ash-free" formula, it burns in full and does not leave any sediment on spark plugs.
- Prevents engine corrosion during the long-storage of an engine.
- Environmentally friendly, decreases the content of harmful substances in exhausts.

STANDARDS

XADO Atomic oil TC W3 exceeds the requirements of the top American specification to oils for 2-stroke engines with a water-cooling system (NMMA TC-W3).

BASE



XADO Atomic oil TC W3 is based on specially refined base oils from the North Sea shelf.

TEMPERATURE RANGE FOR APPLICATION



SPECIFICATIONS

NMMA TC-W3
API TD

OEM APPROVALS

EVINRUDE
JOHNSON
MERCURY
SUZUKI
YAMAHA
KAWASAKI, etc.

TECHNICAL INFORMATION

Density at 20 °C, kg/l	0.873
Viscosity at 100 °C, mm ² /s	6.9
Viscosity at 40 °C, mm ² /s	44.0
Viscosity index	121
Flash point, °C	112
Pour point, °C	<-18
Sulfated ash level, mass. %	0
Color	blue

Note. Typical figures are presented.

The oil is specially colored blue.

SPECIFICATIONS NMMA TC-W3

NMMA stands for the National Marine Manufacturers Association. At the present time, the highest specification to motor oils for 2-stroke outboard motors NMMA TC-W3, introduced in 1993, is widely used. The oils conformity to the NMMA TC-W3 is checked by a strict program using five motor tests (engines Yamaha, OMC, and Mercury). In the physical and chemical research, the easiness of oil mixing with fuel and its fluidity at low temperatures are evaluated first of all.

XADO Atomic oil TC W3 meets the NMMA TC-W3 specification requirements and is recommended for use without restrictions for all types of 2-stroke engines with a separate or combined lubricating system of motor boats, water motorcycles and other equipment with water cooling and provides their perfect performances.

APPLICATION INFORMATION

For engines with a combined lubricating system, XADO Atomic oil TC W3 is used mixed with fuel, ratio 1:100, unless otherwise is advised by the equipment manufacturer.

Mixing table for XADO Atomic oil TC W3 with fuel

Ratio of fuel to oil	Amount of oil (ml) per 1 liter of fuel	Amount of oil (ml) per 10 liters of fuel
100:1	10	100
50:1	20	200
32:1	30	315
24:1	40	420
16:1	65	625

Note

It is not advised to use XADO Atomic oil TC W3 for ground-based motor equipment (motorcycles, chain-saws, etc.), where it is advised to use low-ash oil. In this case, use XADO Atomic oil 2T FC.

