

Power TS Syntronic Motor Oil

Bardahl Power TS Syntronic Motor Oil is a special fully-synthetic, shaftless, two-stroke engine oil. This oil is biodegradable and has a higher quality than is prescribed by the leading manufacturers of outboard engines. It exceeds the lubrication requirements of water-cooled outboard engines and air-cooled engines that are heavily loaded and have to run at a high speed for a long time. **Bardahl Power TS Syntronic Motor Oil** complies with strict lubrication regulations as drawn up by the National Marine Manufacturer's Association: NMMA/BIA TC-W3.

The name Bardahl gives the user extra security over that of other outboard engine oils. **Bardahl Power TS Syntronic Motor Oil** combines the maximum performance of shaftless additives with the high quality of base oils that burn clean. This combination ensures that the spark plugs remain clean, no precipitations form and the exhaust ports remain clean and free of rust.

Bardahl Power TS Syntronic Motor Oil can be mixed with all types of gasoline.

The problem

Two-stroke outboard engines must operate at lower temperatures than other two-stroke engines. Due to these low temperatures, precipitations are formed that are caused by unburned fuel and the oxidation residues. These components condense and polymerize into varnish, gum and carbonous precipitate. Low operating temperatures also cause corrosion, rust and precipitation in the combustion chamber.

Chewing pistons and jammed engines can be the result of insufficient lubrication. The high power and rpm make outboard engines very sensitive to increased friction, chewing pistons and eventually chewing pistons. Two-stroke engines run on a thin lubricating film, when this lubricating film is missing, pistons will 'eat', they almost get stuck and in the worst case they get stuck. Chewing pistons are a sign of lack of lubrication. The friction and wear are aggravated by the presence of carbon and varnish on the cylinder wall.

Precipitations of oxidized oil and incompletely burned lubricant adversely affect the performance of the engine. Stuck piston rings and piston pins caused by gum and varnish (oxidized oil down layers) ensure reduced compression and power loss.

Unburned oil causes carbon deposits that pollute the spark plugs, block exhaust ports and cause pre-ignition that in turn causes more power loss and performance.

It is recommended to mix the oil with the gasoline beforehand to ensure that an even mixture is created this prevents increased friction and wear or jamming.

How it works

Bardahl Power TS Syntronic Motor Oil has managed to pass the most rigorous tests of the NMMA. This oil is a unique mixture of high-quality base oils, synthetic anti-wear and high-pressure components and an additive with a high molecular weight. This mixture of special additives and base oils that can burn completely, ensure clean combustion, a resistance to oxidation and an extraordinary impact protection.

To prevent piston rings from getting stuck, no varnish forms at the piston pins or piston and no carbon forms, Bardahl uses an ashless 'detergent-dispersant' system. This shaftless system protects against pre-ignition, clogged exhaust ports and contaminated spark plugs.

Bardahl Power TS Syntronic Motor Oil contains special components that should prevent the formation of rust. A special hydrocarbon with a low viscosity ensures that the oil mixes easily with gasoline and an even oil / fuel mixture is created.

Specifications

- API TC+
- CEC L-33-A-93
- NMMA TC-W3

BIODEGRADABLE – ENVIRONMENTALLY SAFE

Analysis data

Test			Results
SAE - Class	Method	Unit	Power TS Syntronic Motor Oil
Viscosity at 40°C	ASTM D445	mm /s	55.4
Viscosity at 100°C	ASTM D445	mm /s	9.1
Viscosity Index	ASTM D2270		144
tbn	ASTM D-664	mg KOH/g	10.7
Conradson Carbon Residue		Wt %	0.40
pourpoint	ASTM D6892	°C	-57
Colour	ASTM D1500		3.0
Specific Gravity at 15/15°C	ASTM D4052	g/ml	0.905
Flashpoint	ASTM D92	°C	112
Sulphated Ash	ASTM D874	Wt. %	0

Manual

Bardahl Power TS Syntronic Motor Oil is easy to mix with gasoline and this does not change at very low temperatures. Mix the oil according to the instructions of the engine manufacturer (until 100:1). For competition purposes, the fuel/oil ratio adjusts the fuel/oil ratio according to the circumstances and the extent to which the engine is boosted to the fuel/oil ratio. This Outboard Engine Oil has been specially developed to fulfill the very latest lubrication regulations of outboard engine manufacturers. It complies with the regulations of Johnson/Evinrude, Mercury, Bombardier-Rotax and other outboard engine manufacturers that prescribe the new NMMA TC-W III requirements.

This two-stroke oil can be used for premixed (premixed) and oil injection systems of outboard and other two-stroke engines.

Biodegradable

Bardahl Two Stroke Motor Oil is biodegradable. The biodegradability, measured according to the CEC L-33-A-93 test, is 90%.

Article number 56451
Contents 1 liter

Article number 56455
Contents 5 liter

Article number 56482
Contents 25 liter