



# Technical Data Sheet

## AeroShell Oil Sport Plus 2

*AeroShell Oil Sport Plus 2 is the first oil specifically developed for light sport 2-stroke engines such as the ROTAX® air and water-cooled series engines. These types of engines commonly encounter intense operating conditions i.e. full power take off, cruise descent and idle conditions. Varying power outputs and higher operating temperatures demand a specific 2-stroke oil formulation which will also reduce the formation of deposits and protect the 2-stroke engines inherent exposure to corrosion and potential ring sticking. Provides full performance with both unleaded and leaded (AVGAS 100LL) fuel types. This oil can be used in all climates.*

### Typical Physical Characteristics

<b>Gravity, °API</b>	ASTM D-287	29.3
<b>Density, g/cc</b>	ASTM D-1298	0.88
<b>Pounds per Gallon</b>	ASTM D-1298	73.4
<b>Viscosity</b>		
@ 40°C, cSt	ASTM D-445	78.6
@ 100°C, cSt	ASTM D-445	10.3
<b>Viscosity Index</b>	ASTM D-2270	112
<b>Pour Point, °C(°F)</b>	ASTM D-97	-33(-27)
<b>Flash Point, °C(°F)</b>	ASTM D-92	104(219)

### Specifications

Fully approved – all ROTAX® 2-stroke series engines, ROTAX® Service Instruction SI-2ST-008 Selection of suitable operating fluids for ROTAX® 2-stroke UL engines (series).

API TC

Please consult Operators Handbook/Manual to confirm the correct fuel/oil mix ratio before use.

## Applications

AeroShell Oil Sport Plus 2 is intended for use in 2-stroke aircraft piston engines, which have previously relied on general purpose 2-stroke oils originally developed for ground/marine based applications.

Suitable for all air-cooled and water cooled engine types

Can be used in premix and separate oil injection systems

Can be used with unleaded and leaded (AVGAS 100LL) fuels

## Features and Benefits

First specific oil for Light Sport and Very Light/Ultra Light 2 – stroke aircraft engines

High Film & Shear strength formulation specifically designed for strenuous operating conditions experienced by these types of aviation engines

Promotes engine cleanliness – protects engine parts such as pistons, rings and exhaust ports from excessive (or harmful) deposits - coking

Outstanding performance in regard to ring ‘sticking’

Excellent ‘clean burn’ performance

Helps to protect engine parts from corrosion during engine shutdown and storage

Helps engine achieve TBO (Time Before Overhaul)

Suitable for use in oil injection and pre-mixed oil/fuel systems

Protects highly stressed engine parts against scuffing and wear

Can be used in any climate

Superior performance compared to synthetic 2-stroke products when used in the aviation application

Advanced anti-rust and anti-wear package

Dyed green for better recognition

Can be mixed with other mineral & synthetic 2-stroke oils previously used

**Do not use AeroShell Oil Sport Plus 2 in engines that are designed to use Ashless Dispersant aviation piston engine oils such as AeroShell W oils. This includes air-cooled Teledyne Continental Motors, Textron Lycoming, Jabiru and ROTAX® 4-stroke engines.**