



AeroShell Oil *Sport Plus 2*

Developed in conjunction with ROTAX®, AeroShell Oil Sport Plus 2 is the first oil specifically developed for light sport 2-stroke (2-cycle) 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.

DESIGNED TO MEET CHALLENGES

Performance, Features & 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 and 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 Overhauls).
- 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.

Main 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.

Specifications, Approvals & Recommendations

- No Aviation specifications yet defined.
 - 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).
 - Meets the requirements of API: TC
 - 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 aircooled Teledyne Continental Motors, Textron Lycoming, Jabiru and ROTAX® 4-stroke engines.
 - Please consult Operators Handbook/Manual to confirm the correct fuel/oil mix ratio before use.
- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Typical Physical Characteristics

Properties			Method	Typical
Density	@ 15°C	g/cc	ASTM D1298	0.88
Viscosity	@100°C	cSt	ASTM D445	9
Viscosity	@ 40°C	cSt	ASTM D445	61.1
Viscosity Index			ASTM D2270	123
Pour Point		°C	ASTM D97	-33
Flash Point (COC)		°C	ASTM D92	65

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

■ Health and Safety

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

■ Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

■ Advice

Advice on applications not covered here may be obtained from your Shell representative.