

# AeroShell

## Oil Sport PLUS 4

AVIATION OIL

FOR LIGHT SPORT  
FOUR STROKE ENGINES

“The only  
Aviation  
engine oil  
specifically  
developed  
for Light Sport  
Aircraft”



**W**e have put all of our 100 years experience in aviation lubricants and engines into AeroShell Oil Sport Plus 4. Our lubricant research specialists, working in Shell laboratories, both in Europe and the USA, have worked closely with major engine manufacturers to produce the world's first specifically developed engine oil for light sport and very light/ultralight aircraft 4-stroke engines.

Historically - operators of these types of engines have had to rely on commercially available motorcycle oils. This may lead to issues, such as formulation changes that follow the needs of the motorcycle market. These formulation changes can be made without notification to

the aviation community, because motorcycle oils are not required to meet the same specification as aviation oils. Motorcycle oils also tend to have limited ability when dealing with leaded fuels used in aviation – Avgas 100LL.

[www.shell.com/aviation](http://www.shell.com/aviation)



Shell Aviation

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### AeroShell Oil Sport Plus 4 at a glance

- Multigrade oil designed to be used in any climate, anywhere in the world.
- Additive technology, which perfectly suits the requirements of integrated gearbox and overload clutches (ROTAX® 912 & 914 Series).
- High thermal stability for longer-lasting and safer lubrication.
- High evaporative stability to lower engine oil consumption.
- Better cold flow characteristics for easier starts and quicker protection.
- Advanced anti-corrosion and anti-wear additive package. These additives work as a protective barrier to prevent critical parts from being slowly degraded by corrosion or wear, especially when an aircraft is used infrequently. This protection is crucial for critical internal parts, especially during engine start, reducing the likelihood of premature damage and helping engines reach TBO.
- Powerful anti-oxidancy action to protect and clean parts for longer periods of time.
- Strong dispersants to prevent build up of sludge and varnish.
- Specially selected base oils incorporating synthetic technology to help prevent sludge problems when operating with leaded fuels. This also provides excellent sheer stability.
- Anti-foaming additives to maximise lubrication effectiveness. This is extremely important for those engines which operate with an integrated gearbox.
- Excellent elastomer compatibility to protect hoses and seals.
- Special additives to neutralise acid build-up.
- Can be used with both unleaded fuels and Avgas 100LL. Please refer to Operators Handbook/Manual for the correct oil drain interval when operating on different fuels.

### Innovation

By working with the major engine manufacturers, Shell Aviation is proud to announce the latest addition to the AeroShell family – Sport Plus 4. For the first time, across the world, aviators will be able to obtain a true aviation oil specifically suited for light sport and very light/ ultralight aircraft 4-stroke engines.

#### 4-stroke engines – why is the oil important?

Because most 4-stroke engines now come with integrated gearbox and overload clutch systems, the same oil is in contact with all the moving parts, so it must be capable of coping with the engine, overload clutch and gearbox simultaneously.

AeroShell Oil Sport Plus 4 is ideal; as it is extremely resistant to the immense sheer forces that occur in areas of high-pressure contact such as high-speed gearboxes, valve trains, bearings, pistons and liners. This is where the blend of base oil and additives is most crucial.

AeroShell Oil Sport Plus 4 is made up of a blend incorporating synthetic technology and high performance additives to provide long lasting protection.

In addition, detergents in the oil keep important areas, such as the pistons and cylinders, clear of carbon based particles that tend to adhere to these surfaces.

So when you change your oil to new AeroShell Oil Sport Plus 4, you are not only removing dirt from your engine, you are also replenishing the additives used to protect your engine during normal operation.

#### Meets or exceeds highest international specifications:

API SL  
JASO MA  
VW 502 00  
Fully Approved – All ROTAX® 912 & 914 Series engines, Rotax Service Instruction SI-912-016/SI-914-019; Selection of suitable operating fluids for ROTAX® engine type 912 & 914 (Series).

AeroShell Oil Sport Plus 4 is the world's first truly specific aviation engine oil developed for light sport and ultralight aircraft engines. This is an oil which is available throughout the world, backed by the proven history and dependability of the AeroShell family, and preferred by the majority of General Aviation pilots and engineers alike.

**Please consult your Operators Handbook/ Manual to confirm the correct lubricant specification before use.**

**DO NOT** use AeroShell Oil Sport Plus 4 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 and Jabiru engines.