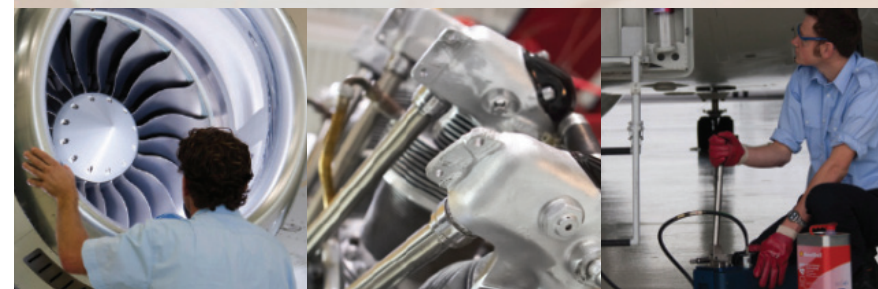


# AeroShell

## A FINE FAMILY OF OILS, GREASES AND HYDRAULIC FLUIDS

Shell Aviation



#### Shell Aviation Limited

Shell Centre  
York Road  
London  
SE1 7NA  
UK

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**Choose AeroShell for all your aircraft maintenance, repair and overhaul lubricant needs.**

# LEADING THE WAY WITH THE LIFEBLOOD OF FLIGHT



Shell Aviation has a long history of innovative solutions for the aviation industry. From the early aircraft piston engines to the latest more demanding high performance gas turbine engines, Shell Aviation has always been there with the answers.

Shell Aviation has one of the most comprehensive and proven range of products, combined with the best technical support in the industry. It's no wonder that the AeroShell range is used extensively in the aviation lubricants market worldwide.



# ADVANCEMENTS IN TURBINE ENGINE OIL TECHNOLOGY

Shell Aviation has a portfolio of mineral and synthetic turbine engine oils, which are in service with most major airline operators worldwide, and are known for quality and product performance.



## Breakthrough Technology

**AeroShell Ascender is taking turbine engine performance to new heights**

AeroShell Ascender is Shell Aviation’s most tested lubricant ever, and sets a new benchmark for high performance turbine oils to cope with the demand of new generation turbine engines, delivering the optimum balance between low coking and elastomer compatibility.



**AeroShell Turbine Engine Oil specifications approvals**

SPECIFICATION	2	3	3SP	308	390	500	531	555	560	750	Ascender
MIL-PRF-6081D											
Grade 4	✓										
MIL-PRF-7808L											
Grade 3				✓							
MIL-PRF-23699F											
STD						✓					
C/I							✓				
HTS									✓		✓
MK-8, MS-8P, MS-8RK			✓								
DOD-L-85734								✓			
DEF-STAN 91-94 (DERD2468)					✓						
DEF-STAN 91-98 (DERD2487)										✓	
DEF-STAN 91-99 (DERD2490)		✓									
DEF-STAN 91-100 (DERD2497)								✓			
DEF-STAN 91-101 (DERD2499)											
Grade OX-27						✓					

✓ = Approved



## AeroShell Turbine Oil 560

**Proven performance for confident commercial operations**

AeroShell Turbine Oil 560 (ASTO 560) has been in use for over 25 years and delivers the right balance of performance and cost efficiency to the global aviation industry.





# THE BEST SELLING AVIATION PISTON ENGINE OILS

The AeroShell range of lubricants has been developed using Shell technologies which helps them set the standard for General Aviation worldwide.

Shell Aviation offers a comprehensive range of piston engine oils to suit the individual needs of pilots and airline operators.

Shell Aviation has worked closely with the leading light engine manufacturer ROTAX® to create AeroShell Oil Sport Plus 2 which gives your engine a boost through its cleaner burning properties and high protection specification. It can significantly reduce engine wear and improve performance - and that means your light aircraft will respond better.

Every new product in our portfolio, such as AeroShell Oil Sport Plus 2 and Plus 4, undergoes rigorous testing for many years and thousands of hours to deliver the best possible product with the optimum performance.



## AeroShell Oil W100 Plus

There is simply no better single grade aviation piston engine oil available.

It's the oil for pilots and aircraft operators who want a single grade that delivers extra protection and performance. AeroShell Oil W100 Plus brings together the best qualities of two of the world's best-selling four-cycle aviation oils. It has the single grade, ashless dispersant performance found in AeroShell Oil W100 as well as the anti-wear and anti-corrosion additives of AeroShell Oil W 15W-50 multigrade.



## AeroShell Oil W 15W-50

A premium piston engine oil for your aircraft.

Over 25 years ago, Shell was the first to successfully understand the advantages of using a blend of synthetic and mineral oils in aviation piston engine lubricants.

Now with well over 20 million hours of successful field use, the benefits are enjoyed by many thousands of aircraft operators.

AeroShell Oil W 15W-50 is a low viscosity oil that offers you the fastest engine protection at cold start up, coupled with advanced anti-wear and anti-rust additives for performance in any climate, all year round.



# HIGH PERFORMANCE GREASES AND HYDRAULIC FLUIDS



The AeroShell portfolio also includes eight hydraulic fluids, including the AeroShell Shock Strut Fluid and AeroShell Landing Gear Fluid, well known for their quality and performance and in service with many airline operators worldwide.

**AeroShell Greases are manufactured to the most demanding specifications to ensure that they are consistently top quality.**

Our in service performance is recognised by all the leading aircraft and helicopter manufacturers, who approve and recommend the use of AeroShell Greases, as excellent.

### AeroShell Grease 33

Today, more than 60% of the world's major airlines use AeroShell Grease 33 for their lubrication needs - and AeroShell Grease 33 remains the factory fill for all Boeing aircraft and the Airbus A380.



Major aviation applications include, the main hydraulic system, aircraft shock absorbers, automatic pilots, brakes, flap control mechanisms and missile hydraulic servo-controlled systems.

### Fluid 41

The 'Superclean' mineral hydraulic fluid that enhances the reliability of all components in the hydraulic system.



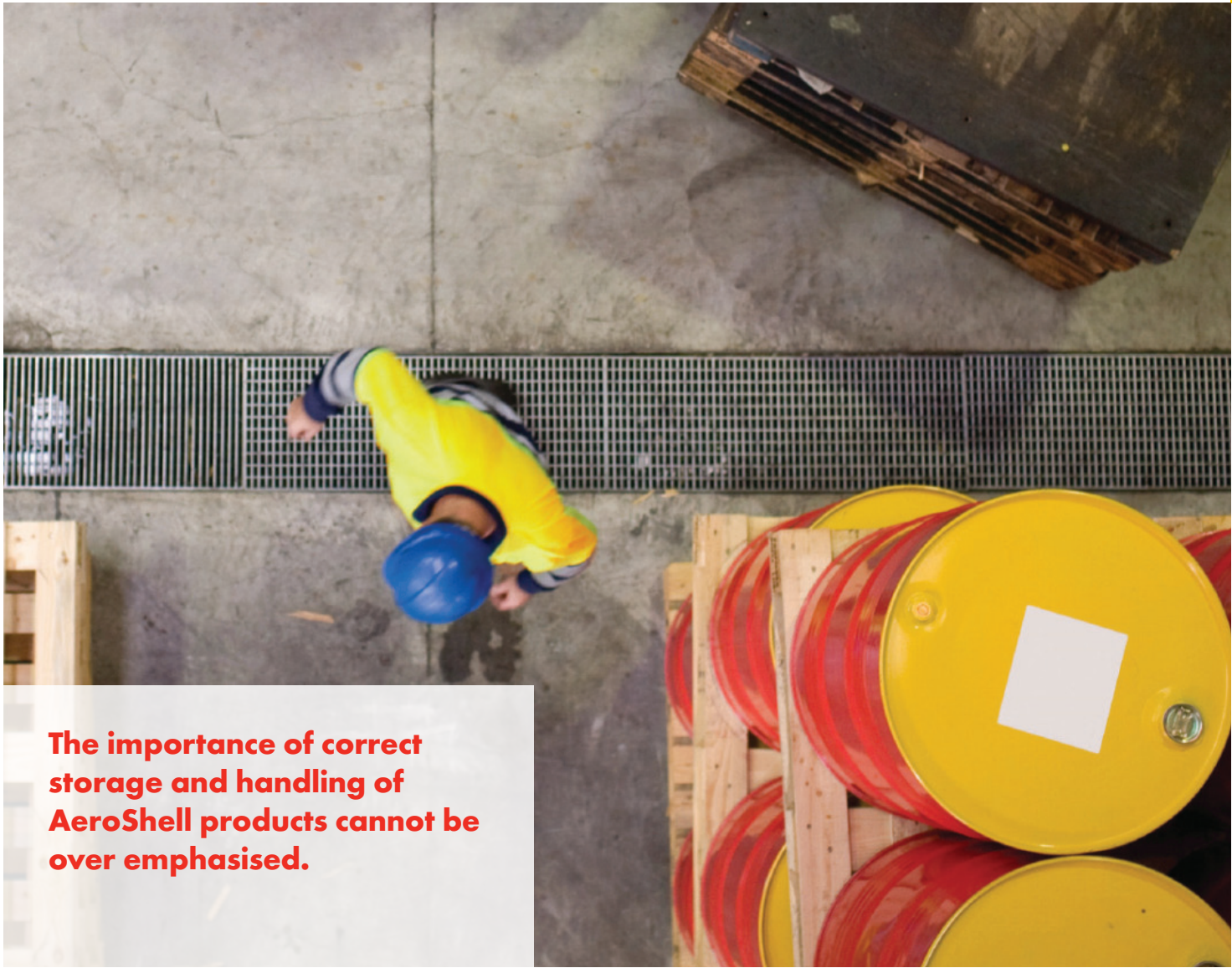
### AeroShell Grease 33 and 33MS

Offering you the next level of protection solutions from the world's leading range of aviation greases.

AeroShell Grease 33 is a synthetic multi-purpose airframe grease composed of lithium complex thickened synthetic base oil for enhanced corrosion inhibition and load-carrying ability.

AeroShell Grease 33MS is particularly suitable for lubricating heavily loaded sliding applications.





# HANDLING AND STORAGE

**Shell Aviation pays particular attention to quality control throughout the manufacturing, blending and filling process.**

Rigorous checks take place during these operations and thorough testing is done before release of a product to ensure that it meets the requirements of the specification and is fit for purpose.

From the refinery to our authorised AeroShell distributors, meticulous care is taken at every step of our supply chain to keep our products in tip-top condition all the way to our customers.

Stringent safety standards and high quality products, combined with appropriate handling and storage solutions are fundamental in delivering product performance. It is also important that operators and users take equal care when handling and storing these products.

For further information on any of our AeroShell products and full technical support services, consult your local sales representative.

