

# **Always Been There With The Answers**





# LEADING THE WAY WITH THE LIFEBLOOD OF FLIGHT

**CHOOSE AEROSHELL FOR ALL YOUR AIRCRAFT MAINTENANCE, REPAIR AND OVERHAUL LUBRICANT NEEDS**

**US\$25 million over 10 years invested in research**

**An AeroShell research and development facility established**

**Shell continues to invest over US\$4 million every year**

**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.



*Whatever you fly, Aviocom can provide a full range of AeroShell oils, greases and fluids for your aircraft.*

# ADVANCEMENTS IN TURBINE ENGINE OIL TECHNOLOGY



AeroShell Turbine Engine Oil specifications approvals

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



4 = Approved

AeroShell Turbine  
Oil

Lower overhaul  
cost

Longer overhaul  
intervals

- More than 40 years of military use
- ASTO 560 gives you the confidence you need to operate successfully

**AeroShell Turbine Oil 560 (ASTO 560) is a third generation 5-centistoke synthetic hindered ester lubricating oil**

Specially formulated to achieve the right balance of performance and efficiency for your jet engine, even under the most challenging conditions. For many years, Shell Aviation has worked closely with OEMs, engine specialists and airline engineers to raise the standards of lubricant performance. Based on our deep understanding of commercial aviation requirements, ASTO 560 makes a decisive difference to your everyday.

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.

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# THE BEST SELLING AVIATION PISTON ENGINE OILS

## **AeroShell Oil W<sub>100</sub> 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 bestselling 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.

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

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 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.

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.

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# HIGH PERFORMANCE GREASES AND HYDRAULIC FLUIDS

**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.

**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**



Low Oil Separation or Bleeding

Excellent Water Resistance

Extremely Good Load Carrying

Very Little Change in Consistency

No Melting Point

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

## **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.

## **AeroShell Grease 33 and 64 know as 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 64 (33MS) is particularly suitable for lubricating heavily loaded sliding applications.



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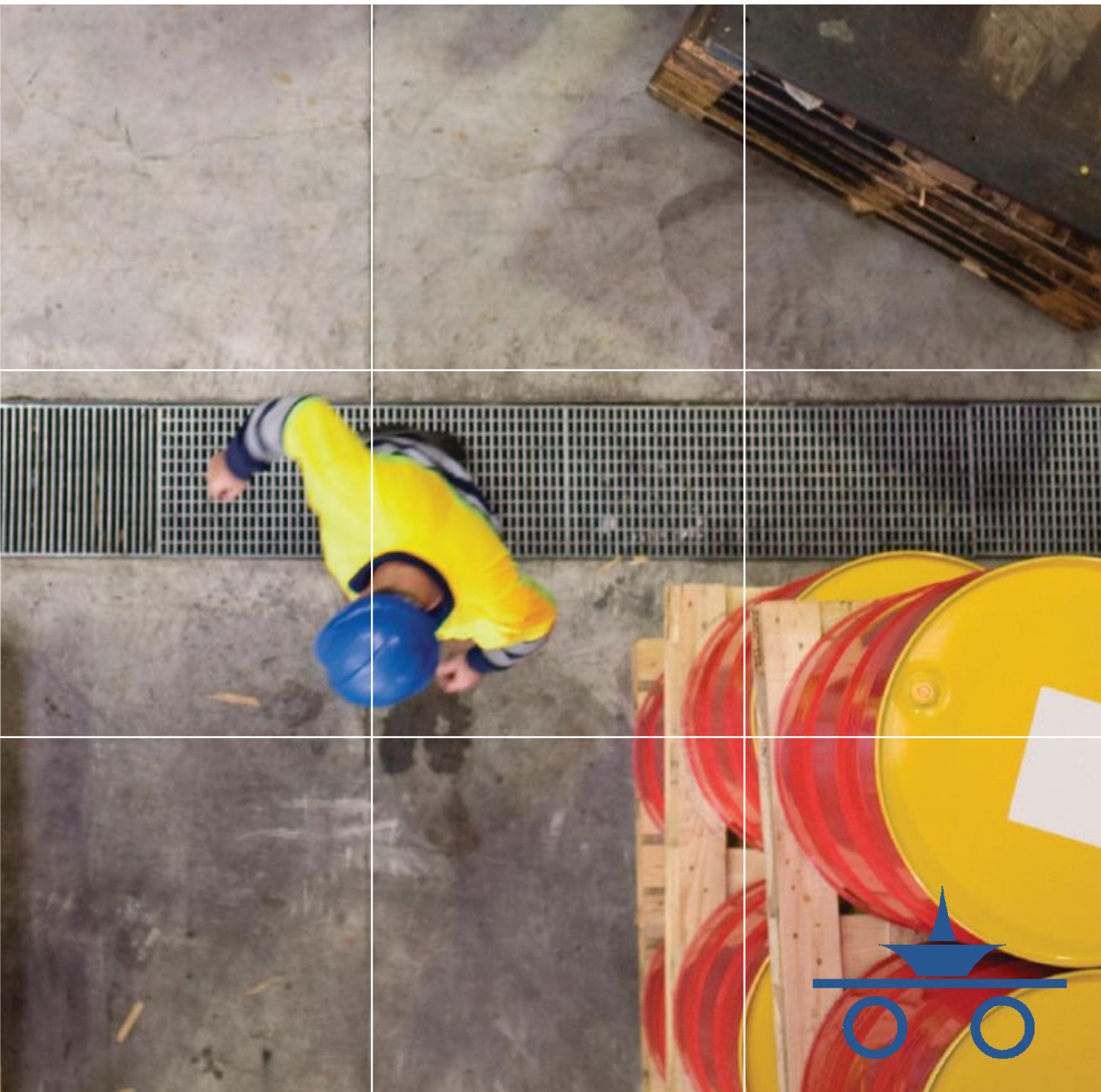
# HANDLING AND STORAGE

**The importance of correct storage and handling of AeroShell products cannot be over emphasised**

Shell Aviation pays particular attention to quality control throughout the Manufacturing, blending and filling Process.

**We cannot stress enough the importance of the correct storage and handling of AeroShell products.**

Aviocom guarantees that with the addition of the new high-tech equipped storage facility, the required and highest standard of safety is met. Not only for the employees but also for the environment.



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