

AEROSHELL FLUID 41

Super-clean, mineral hydraulic fluid

Shell Aviation

PARTICULATES IN HYDRAULIC FLUIDS CAN CAUSE SYSTEM FAILURES. **AEROSHELL FLUID 41** HELPS TO **PROTECT HYDRAULIC SYSTEMS** BY MEETING **SUPER-CLEAN STANDARDS**.

ABOUT AEROSHELL FLUID 41

AeroShell Fluid 41 is a mineral hydraulic oil manufactured to a very high level of cleanliness. It contains additives that provide **good low-temperature fluidity, antiwear, oxidation and corrosion inhibition, and shear stability** properties. To enhance its performance, the high-viscosity-index fluid is also formulated with metal deactivators and foam inhibitors.

AeroShell Fluid 41 has a **wide operating temperature range** of -54 to 90°C (unpressurised) and -54 to 135°C (pressurised).

BENEFITS AT A GLANCE

- **Enhanced system reliability** by protecting against system failure through super cleanliness
- **Long component life** through its antiwear, antioxidant and corrosion-inhibition system, and shear stability performance
- **System efficiency** through its low-temperature performance and high viscosity index

APPLICATIONS

It is recommended for operational use in modern aircraft applications requiring a mineral hydraulic fluid, particularly where the use of a **super-clean fluid** could help to **improve component reliability**.

CONTACT US

For a full listing of equipment approvals and recommendations, please contact your Shell Aviation representative or visit

www.aeroshell.com



AeroShell Fluid 41 is also widely used in non-aviation industrial and automotive applications in which an **extreme temperature range** and **high system reliability** are required. For example, it offers protection for trucks operating at high latitudes and forklifts working in cold storage warehouses.

AeroShell Fluid 41 is fully compatible with **AeroShell Fluid 31** and **AeroShell Landing Gear Fluid**. It is suitable for use in systems with synthetic rubber components but must not be used in systems incorporating natural rubber or cleaned with chlorinated solvents.

SUPER-CLEAN RELIABILITY

Particulates in hydraulic fluids can cause system failures through valve sticking, wear and blockages in nozzles and tubes. Particulates are especially challenging for modern hydraulic systems that operate at high pressures and have components with tight tolerances. **AeroShell Fluid 41** is formulated to protect hydraulic systems against failure by meeting **super-clean standards**.

SPECIFICATIONS

- Approved MIL-PRF-5606 (US)
- Approved DEF STAN 91-48 Grade Superclean* (European production only); meets DEF STAN 91-48 Grade Normal (European production only); equivalent to DEF STAN 91-48 grades Superclean* and Normal (US production only) (British)
- Approved DCSEA 415/A (French)
- Analogue to GOST 6794-78 AMG-10 (Russian)
- NATO code H-515* (equivalent to H-520)
- Joint Service Designation OM15* (equivalent to OM-18)

*Superclean grades: The British specification DEF STAN 91-48 covers two mineral hydraulic fluid grades (Normal and Superclean) that differ only in their cleanliness limits. AeroShell Fluid 41 is manufactured to meet the Superclean requirements and thus it also meets the requirements of the Normal grade.

