



# AeroShell

## AEROSHELL Grease 7



## AEROSHELL GREASE 7 ADVANCED MULTI-PURPOSE GREASE

### DESCRIPTION

AeroShell Grease 7 is an advanced multi-purpose aviation grease, combining a synthetic diester base oil thickened with Microgel and possessing good load carrying ability over a wide temperature range. AeroShell Grease 7 includes additives that protect against corrosion and oxidation as well as offering excellent resistance to water.

AeroShell Grease 7 satisfies nearly all the grease requirements of piston engined aircraft provided that seal compatibility does not occur. Most Civil aircraft manufacturers approve AeroShell Grease 7 as a general purpose grease by brand or by specification. It is particularly recommended for use wherever severe operating conditions are encountered as in high bearing loads, wide operating temperature range and where long grease retention and resistance to water washout are required. eg Anti -friction bearing.

## PERFORMANCE FEATURES

- Corrosion inhibited and fortified against oxidation, AeroShell Grease 7 offers excellent load carrying, corrosion and oxidation protection and water resistance in addition to a wide useful operating temperature range of -73° to 149°C. AeroShell Grease 7 is approved by most civil aircraft manufacturers as a general purpose grease. AeroShell Grease 7 is especially recommended for lubricating highly loaded gears, actuator screw mechanisms, instrument and general airframe lubrication within the above temperature range.
- AeroShell Grease 7 can also be used in non-aviation applications where extreme low temperature properties are required. AeroShell Grease 7 should not be used in contact with incompatible seal materials.

## SUMMARY OF BENEFITS

- **Excellent** wide range of operating temperatures (-73°C to 149°C).
- **High Viscosity Index Synthetic Base Fluids** maintain viscosity and protect components.
- **Approved** to MIL-G-23827B specifications
- **Good** load carrying ability over a wide temperature range. Protects against corrosion and oxidation together with excellent resistance to water.
- **Reduced** grease inventory owing to its use over a wide range of applications.

## HEALTH & SAFETY

Aero Shell Grease 7 is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal ed. For further Guidance on Product Health & Safety refer to the appropriate Shell Material Safety Data Sheet.

| SPECIFICATIONS/APPROVALS  |              |
|---------------------------|--------------|
| US                        | MIL-G-23827B |
| French                    | [AIR 4210/B] |
| NATO                      | G-354        |
| Joint Service Designation | -            |

[ ] Indicates that the product is equivalent to specification

## TYPICAL CHARACTERISTICS

| DESCRIPTION                 | UNITS              | METHODS | TYPICAL             |
|-----------------------------|--------------------|---------|---------------------|
| APPEARANCE                  | VISUAL             | -       | Amber - Light Brown |
| THICKENER                   | -                  | -       | Microgel            |
| OIL TYPE                    | -                  | -       | Synthetic Diester   |
| NLGI GRADE                  | -                  | -       | 1 - 2               |
| WORKED PENETRATION          | dmm                | -       | 295                 |
| BASE OIL VISCOSITY AT 100°C | mm <sup>2</sup> /s | -       | 3.1                 |
| DROP POINT                  | °C                 | -       | > 260               |

## ADVICE

Advice on applications not covered in this leaflet may be obtained from your Shell Representative. Shell Technical Advice Centre: Free Call 1800 805 000

**Grease 7** is able to fulfill almost all aircraft grease requirements which reduces the need for other **aviation grease** products. It can also be used for seals approved with using diester-based greases, and non-aviation applications that require great low temperature properties.

It has a shelf life of 3 years.

AeroShell Grease 7 Meets MIL-SPEC: MIL-PRF-23827 Ty II