



AeroShell Fluid 5L-A

AeroShell Fluid 5L-A is a highly refined, low viscosity mineral oil containing an extreme pressure additive as well as additives to provide good oxidation and corrosion protection.

AeroShell Fluid 5L-A has good low temperature characteristics.

DESIGNED TO MEET CHALLENGES

Main Applications

AeroShell Fluid 5L-A is used for the lubrication of gears where high tooth loadings exist, particularly when operating at low temperature. AeroShell Fluid 5L-A is particularly suitable for the lubrication of radar gearboxes, constant speed alternator drives. AeroShell Fluid 5L-A is also used in those helicopter transmissions (gearboxes) which require use of this type of MIL-PRF-6086 oil.

AeroShell Fluid 5L-A must not be used in engines.

Specifications, Approvals & Recommendations

- Approved MIL-PRF-6086F Light Grade (US)
- Approved DEF STAN 91-112 Grade L (British)
- NATO Code O-153
- Joint Service Designation Equivalent OEP-30

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Typical Physical Characteristics

| Properties | | MIL-PRF-6086F Light Grade | Typical |
|---------------------------------|----------------------------|---------------------------|-----------|
| Oil type | | - | Mineral |
| Kinematic viscosity | @37.8°C mm ² /s | 23 to 34 | 27.8 |
| Kinematic viscosity | @98.9°C mm ² /s | - | 4.90 |
| Flashpoint (Cleveland Open Cup) | °C | 137.8 min | 190 |
| Viscosity Index | | 80 min | 100 |
| Pour point | °C | -40 max | Below -40 |
| Total Acid Number | mgKOH/g | 1.0 max | 0.1 |
| Relative Density | @15.6/15.6°C | - | 0.89 |
| Load Wear Index | kg | 40 min | 45.5 |
| Colour ASTM | | 8 max | 1.0 |
| Foaming, sequence I, II, III | | Must pass | Passes |
| Copper corrosion 3 hrs | @100°C | Must pass | Passes |

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

■ Health and Safety

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

■ Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

■ Advice

Advice on applications not covered here may be obtained from your Shell representative.