



AeroShell Turbine Oil 3

Aeroshell Turbine Oil 3 is a 3 mm²/s mineral turbine oil blended from mineral base stocks to which an anti-corrosion additive has been added.

DESIGNED TO MEET CHALLENGES

Main Applications

- Aeroshell Turbine Oil 3 was developed for early pure jet engines and is still approved for some versions of these engines plus the Turbomeca Astazou, Artouste, Turmo, Bastan and Marbore engines.
- Aeroshell Turbine Oil 3 is widely used for inhibiting fuel systems and fuel system components during storage.
- Aeroshell Turbine Oil 3 is an analogue to the Russian Grade MK-8 and can therefore be used in engines which require the use of MK-8. It is also used as the mineral turbine oil component in the mixture of mineral turbine oil and piston engine oil used in Russian turbo-prop engines.

Specifications, Approvals & Recommendations

- Approved DEF STAN 91-99 (British)
- Equivalent to AIR 3515/B (French)
- Analogue to MK-8 (Russian)
- Nato Code O-135
- Joint Service Designation OM-11

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical physical Characteristics

| Properties | | DEF STAN 91-99 | Typical |
|--|---------------------------|----------------|-----------|
| Oil type | | Mineral | Mineral |
| Density | @15°C kg/l | - | 0.875 |
| Kinematic Viscosity | @40°C mm ² /s | 12.0 min | 12.28 |
| Kinematic Viscosity | @-25°C mm ² /s | 1250 max | 1112 |
| Pour Point | °C | -45 max | Below -45 |
| Flash Point PMCC | °C | 144 min | 146 |
| Total Acidity | mgKOH/g | 0.30 max | 0.15 |
| Strong acid number | mgKOH/g | Nil | Nil |
| Copper corrosion 3 hrs | @100°C | 1 max | Passes |
| Saponification matter | mgKOH/g | 1 max | 0.25 |
| Ash | % m/m | 0.01 max | 0.001 |
| Aromatic content | % | 10 max | 6.0 |
| Oxidation - Total Acid Number increase | mgKOH/g | 0.7 max | 0.24 |
| Oxidation - asphaltenes | % m/m | 0.35 max | 0.09 |

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.

