Technical Data Sheet

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	mm²/s	12.0 min	12.28
Kinematic viscosity	@-25°C	mm²/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.