



AeroShell Turbine Oil 2

Mineral lubricating oil for aircraft turbine engines

AeroShell Turbine Oil 2 is a 2 mm²/s mineral turbine oil blended from mineral base stocks to which a pour-point depressant and an anti-oxidant have been added.

DESIGNED TO MEET CHALLENGES

Main Applications

- AeroShell Turbine Oil 2 is widely used for inhibiting fuel systems and fuel system components during storage.
- AeroShell Turbine Oil 2 is an analogue to the Russian Grade MK-8 and can therefore be used in engines which require the use of MK-8.

Specifications, Approvals & Recommendations

- MIL-PRF-6081E Grade 1010 / 1010N
- NATO Code O-133

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

Typical Physical Characteristics

Properties	Method	MIL-PRF-6081E Grade 1010/N	Typical
Oil type		Mineral	Mineral
Colour	ASTM D1500	5.5 max	<0.5
Density @15.6°C kg/m ³	ASTM D4052	-	878
Kinematic Viscosity @37.8°C mm ² /s	ASTM D445	10.0 min	10.2
Kinematic Viscosity @-40°C mm ² /s	ASTM D2532	3 000 max	2 305
Viscosity stability 3hrs @-40°C %	ASTM D2532	2 max	0.5
Pour Point °C	ASTM D97	-57 max	<-57
Flash Point °C	ASTM D92	132 min	142
Total Acid Number mgKOH/g	ASTM D664/974	0.10 max	0.04
Copper corrosion 3 hrs @100°C	ASTM D130	1 max	Passes
Trace sediment ml/200ml	ASTM D2273	0.005 max	<0.005
Corrosion and oxidation stability 168 hrs - metal weight change @121°C mg/cm ²	ASTM D 4636	Must pass	Passes
Corrosion and oxidation stability 168 hrs - change in viscosity at 37.8°C @121°C %	ASTM D 4636	-5 to +20	Passes
Corrosion and oxidation stability 168 hrs - acid number change @121°C mgKOH/g	ASTM D 4636	0.2 max	<0.2

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**

AeroShell Turbine Oil 2 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

- **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.