



AeroShell Turbine Oil 2

Mineral Turbine oil for jet 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
- AIR 3516/A (French) equivalent
- MK-8 (Russian) analogue
- NATO Code O-133
- Joint Service Designation OM-10 (Obsolete)

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 1500	5.5 max	1.0
Density @15°C kg/m ³	ASTM D4052	-	878
Kinematic viscosity @37.8°C mm ² /s	ASTM D445	10.0 min	11.08
Kinematic viscosity @-40°C mm ² /s	ASTM D2532	3 000 max	2 486
Viscosity stability 3hrs @-40°C %	ASTM D2532	2 max	0.12
Pour Point °C	ASTM D97	-57 max	-69
Flash Point COC °C	ASTM D92	132 min	142
Total acid number mgKOH/g	ASTM D664/974	0.10 max	0.02
Copper corrosion 3 hrs @100°C	ASTM D130	1 max	Passes
Trace sediment ml/200ml	ASTM D2273	0.005 max	0.001
Corrosion and oxidation stability 168 hrs - metal weight change @121°C mg/cm ²	ASTM D4636	Must pass	Passes
Corrosion and oxidation stability 168 hrs - viscosity change at 37.8°C @121°C %	ASTM D4636	-5 to +20 max	Passes
Corrosion and oxidation stability 168 hrs - acid number change @121°C mgKOH/g	ASTM D4636	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 (EU) 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.

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

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