Technical Data Sheet

AeroShell **Turbine** *Oil 2*

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

- Approved MIL - PRF - 6081E Grade 1010 (US)
- Equivalent to AIR 3516/A (French)
- Analogue to MK-8 (Russian)
- 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	Typical
Oil type				Mineral	Mineral
Colour			ASTM 1500	5.5 maximum	1.0
Density	@15°C	kg/l	ASTM D4052	-	0.878
Kinematic viscosity	@37.8°C	mm²/s	ASTM D445	10.0 minimum	11.08
Kinematic viscosity	@-40°C	mm²/s	ASTM D2532	3000 maximum	2486
Viscosity stability 3hrs	@-40°C	%	ASTM D2532	2 maximum	0.12
Pour Point		°C	ASTM D97	-57 maximum	-69
Flash Point COC		°C	ASTM D92	132 minimum	142
Total acid number		mgKOH/g	ASTM D664/974	0.10 maximum	0.02
Copper corrosion 3 hrs	@121°C		ASTM D130	1 maximum	Passes
Trace sediment		ml/200ml	ASTM D2273	0.005 maximum	0.001
Corrosion & oxidation stability 168 hrs - metal weight change	@121°C		ASTM D4636	Must pass	Passes
Corrosion & oxidation stability 168 hrs - viscosity change at 37.8°C	@121°C	%	ASTM D4636	-5 to +20 maximum	Passes
Corrosion & oxidation stability 168 hrs - acid number change	@121°C	mgKOH/g	ASTM D4636	0.2 maximum	<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**

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.