Technical Data Sheet

AEROSHELL SMOKE OIL

Smoke oil used in aerobatic aircraft and other aerial displays

AeroShell Smoke Oil is a hydrocarbon fluid based on Shell Gas-to-Liquid Technology or Re-Refined base oil. When injected into the engine's hot exhaust gas it vaporises to produces a brilliant white smoke to enhance the visibility of the aircraft during an aerial display.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Low viscosity**
- **Can be readily vaporized**
- **Good low temperature properties**

Main Applications

AeroShell Smoke Oil is used for aircraft flying aerobatic and other aerial displays and also to aid the identification of the aircraft or help assess localised air-current behaviour. Smoke oil can be particularly useful for helping to assess wind conditions during precision aerial activity, including firefighting flights.

Typical Physical Characteristics

Properties			Method	AeroShell Smoke Oil
Colour (Saybolt)			ASTM D156	30
Density	@15°C	Kg/m^3	ISO 12185	808
Kinematic Viscosity	@40°C	mm^2/s	ISO 3104	9.8
Kinematic Viscosity	@100°C	mm^2/s	ISO 3104	2.7
Viscosity Index			ISO 2909	112
Pour Point		°C	ISO 3106	-45
Flash Point		°C minimum	EN ISO 2592	180

These characteristics are typical of production, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

  This product 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.