



# 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 produce 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 <sup>3</sup>               | ISO 12185   | 808                 |
| Kinematic Viscosity @40°C mm <sup>2</sup> /s  | ISO 3104    | 9.8                 |
| Kinematic Viscosity @100°C mm <sup>2</sup> /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.