

# Strombus MP

## Emulsifiable stern tube oil



*- where excessive leakage past the outer seal is experienced*

Shell Strombus MP is designed specifically for oil-filled stern tubes, particularly in the event of leakage. It is mainly used for the lubrication of stern tube bearings and protection of tailshafts in systems incorporating lip seal stern tube glands, but also some face seals.

### Applications

● The large majority of ships today are fitted with oil lubricated stern tubes. The stern tube bearings and the tail shaft are required to operate reliably, often in extreme conditions due to vibration, water ingress, flexing of the vessel's structure, movement of the vessel in heavy seas and with variations of speed and temperature. Shell Strombus MP was specifically designed to be compatible with Strombus T and with diesel engine oils used for sterntube lubrication. It is also suitable for the lubrication of the fin shafts of certain retractable stabilisers.

### Benefits of using Shell Strombus MP

#### ● COST EFFECTIVENESS

Shell Strombus MP absorbs high amounts of seawater. There is no need to reduce the concentration of seawater emulsified in the oil until it reaches levels of over 20%.

#### ● PEACE OF MIND

Minimising risks of water ingress: Water is absorbed to form a stable emulsion which continues to offer good lubrication and protection against corrosion. The oil and its emulsion are sufficiently fluid to circulate around the stern tube bearing oil system.

High level of protection: Its unique combination of base oils and carefully selected additives, give good emulsibility whilst offering a high level of protection to the metal surfaces, in the presence of water.

Miscibility: Compatible with most commercially available oils used for stern tube lubrication, including Strombus T.

Approvals: Accepted by most leading seal and bearing manufacturers.

Suitable for Viton or Nitrile seals.

### Advice

Advice on applications not covered in this leaflet may be obtained from your local Shell Area Manager

S004TOPW.00E 0699

### Typical Physical Characteristics

Strombus MP		
<b>Kinematic Viscosity</b> @ 40°C cSt (IP 71)		273
<b>Density @ 15°C</b> kg/l (IP 365)		0.90
<b>Flash Point</b> °C (Pensky-Martens Closed Cup) (IP 34)		200
<b>Pour Point</b> °C (IP 15)		-5

These characteristics are typical of current production. Whilst future production will conform to Shell's specification variations in these characteristics may occur.

### Health & Safety

Strombus MP is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

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

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

### Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.