

Shell Delima Oil

Paper machine circulating oil



Shell Delima oils are premium quality mineral oils for use in lubrication systems in paper machines.

Applications

- **Lubrication of bearings in the (drying) section of paper machines.**
- **Hydraulic and lubrication systems in deflection-compensating rolls.**
- **Enclosed gears not requiring full EP performance**

Performance Features and Benefits

- **Oxidation resistant**
Antioxidant additives provide a good oil service life.
- **Thermal stability**
Very low tendency to form deposits or sludge.
- **Water separation**
Very good demulsibility.
- **Filterability**
Good filterability is essential for clean systems and low filter cost.
- **Corrosion protection**
High level of corrosion protection for all metal surfaces.
- **Antifoam characteristics**
Excellent antifoam and air release properties.
- **Antiwear performance**
Effectively prevents wear in the lubricated parts of the paper machine.

Specification and Approvals

Delima Oil can be used when DIN 51517 Pt.2 type oils are required. FZG: DIN 51354 stage 12 Pass.

Practical experience

Delima Oils have been used in many applications especially in Finland. In most cases also in the wet part of the machines. The bulk temperature of the oil should not continuously exceed 70 °C.

Seal and paint compatibility

Delima Oils are compatible with seal materials and paints specified for use with mineral oils.

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell representative.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet which can be obtained from your Shell representative.

Protect the environment

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

Typical Physical Characteristics

Delima		150	220
Kinematic Viscosity	ASTM D 445		
	at 40°C mm ² /s	150	220
	at 100°C mm ² /s	14,6	18,7
Viscosity Index	ISO 2909	96	95
Density at 15°C	kg/m ³ ISO 12185	900	900
Flash Point COC	°C ISO 2592	260	265
Pour Point	°C ISO 3016	-9	-9

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

Viscosity - Temperature - Diagram

