Shell Morlina Oil

Advanced circulating and bearing oil

Shell Morlina Oils 100, 150, 220, 320, 460, 680 are premium quality mineral oils blended with carefully selected additives for use in circulation systems and certain other industrial applications which do not require oils with EP properties.

Applications

- ***Machine circulation systems.***
- ***Oil lubricated plain and rolling element bearings.***
- ***Roll-neck bearings.***
- ***Low or moderately loaded enclosed gears.***

Performance Features and Benefits

- ***Extended life in the oil system***
- ***Rusting and corrosion reduced Text Normal***
- ***Bearing life increased due to good water separation.***
- ***Meets the requirements of the Morgan Construction Company***
- ***Pump cavitation minimised due to the low foaming tendency***
- ***Inherent good air release performance***

Specification and Approvals

Meets Morgan Specification for Circulating oils for roll-neck bearings
CL according to DIN 51517-2

Seal & Paint Compatibility

Morlina Oils are compatible with all seal materials and paints normally 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

Morlina			**100**	**150**	**220**	**320**	**460**	**680**
ISO Viscosity Grade			100	150	220	320	460	680
Kinematic Viscosity		ASTM D 445						
at 40°C	mm^2/s		100	150	220	320	460	680
at 100°C	mm^2/s		11,2	15	18,3	25	30	37
Density at 15°C	kg/m^3	ISO 12185	881	887	891	897	904	910
Viscosity Index		ISO 2909	97	95	92	96	94	80
Flash Point COC	°C	ISO 2592	250	262	280	282	300	300
Pour Point	°C	ISO 3016	-18	-15	-15	-12	-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