

Shell Vitrea Oils M

Premium industrial bearing and circulating oil



Shell Vitrea Oils M are blended from solvent refined, paraffinic mineral oils for the lubrication of heavy duty industrial bearings and circulating systems

Applications

For use in the following applications where temperatures and loadings are moderate:

- **Roll-neck bearings**
- **Circulating systems**
- **Plain and rolling element bearings.**
- **Enclosed spur, helical, bevel and worm gearboxes where the use of a non-additive is approved by the equipment manufacturer**

Performance Features and Benefits

- **Guaranteed water shedding capability to meet the Morgan requirements**
- **Long life in circulatory systems**
- **Approved and recommended by gear box manufacturers**

Specification and Approvals

Shell Vitrea Oils M meet the requirements of the following specifications:

Morgan Construction Company
Morgoil roll neck bearings
with the exclusion of the ISO VG 680 and 570 because of the lower Viscosity Index

Seal & Paint Compatibility

Vitrea Oils M 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

Vitrea M		100	150	220	320	460	570	680
Viscosity Grade	ISO 3448	100	150	220	320	460		680
Kinematic Viscosity	ASTM D 445							
at 40°C	mm ² /s	100	150	220	320	460	570	680
at 100°C	mm ² /s	11,2	14,8	19,2	24,6	31,0	32,0	37,0
Viscosity Index	ISO 2909	95	95	95	95	95	80	80
Density at 15°C	kg/m ³	877	882	887	891	896	0,902	910
Flash Point COC	°C	243	225	249	255	260	265	270
Pour Point	°C	-9	-6	-6	-6	-6	-6	-6

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

