Shell Morlina Oil T

Circulating and bearing oils for no-twist rod mill systems

Shell Morlina Oils T are premium quality, solvent refined, paraffinic lubricating oils specially developed for the no-twist mill systems. Meets the requirements of Morgan specification.

Applications

- ***No-twist rolling mill systems***

Lubrication of no-twist finishing mills is critical. This is partly due to the need for the same lubricant (normally ISO 100) to protect the highly loaded roller and plain bearings working at high speeds and to work satisfactorily even when contaminated with cooling water and iron oxides coming from the mill.

Performance Features and Benefits

- Protects effectively against gear wear by using a zinc free additive system
- Very good water separation properties
- Good resistance to foaming
- Emulsion formation is minimal
- High resistant against oxidation
- Effective protection against rust and corrosion
- Can be filtered using fine filters

Specification and Approvals

Meets the requirements of

- Morgan Specification for circulating oils for no-twist rolling mill oil systems
- Danieli approved
- CL according to DIN 51517-2

Seal & Paint Compatibility

Morlina T 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			**T 100**	**T 150**	**T 220**	**T 320**	**T 460**
ISO Viscosity Grade			100	150	220	320	460
Kinematic Viscosity		ASTM D 445					
at 40°C	mm^2/s		100	150	220	320	460
at 100°C	mm^2/s		11,1	15	18,8	24,2	30
Density at 15°C	kg/m^3	ISO 12185	880	887	890	895	905
Viscosity Index		ISO 2909	96	95	95	96	94
Flash Point COC	°C	ISO 2592	>240	262	>240	>250	>250
Pour Point	°C	ISO 3016	-15	-15	-12	-12	-12

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