



Technical Data Sheet

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

- Good wear protection
- Very good water separation properties
- Good resistance to foaming
- Good demulsibility
- Resists 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.

Health & Safety

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.

Advice

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

Typical Physical Characteristics

Morlina		T 100	T 460
ISO Viscosity Grade		100	460
Material Number Bulk		5073497	5073499
Kinematic Viscosity	ASTM D445		
at 40°C	cSt	100	460
at 100°C	cSt	11.1	30
Viscosity Index	ASTM D2270	96	94
Flash Point COC	°F ASTM D92	>460	>480
Pour Point	°F ASTM D5950	5	10

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