

MORTECH OIL SERIES

Premium Quality, High Performance Mattress Oil

Definition of

It has been developed for single or double center lubrication systems of sheet and bar drawing rolling machines operating under very severe conditions. It is a circulation rolling mill bearing oil that has improved anti-wear properties and meets American Morgan specification.

Places of Use

In rolling mills with single-center lubrication system operating at low and very high speeds, high-speed end units of “No-Twist” rolling machines with two-center lubrication system, low-speed starting units and other machine parts in the same system, the recommendations of the equipment manufacturer should be taken as basis. For low cycles, higher viscosity Mortech Oils should be used.

Features and Benefits

- In environments with high amounts of water, it quickly removes water from its body and forms a strong oil film.
- It minimizes the abrasion by forming a buffer oil between metal surfaces under heavy and impact loads.
- It protects the system perfectly against rusting and corrosion.
- High oxidation resistance provides a very long service life.
- Reduces operating costs by reducing oil consumption.
- With its increased resistance against foaming, it does not foam and prevents erosion caused by cavitation.

Typical Features *

ISO Viscosity Grade		ISO VG				
		one hundred	150	220	320	460
Viscosity, 40 ° C, mm ^{2nd} /s	ASTM D 445	106	158	228	330	435
Viscosity Index	ASTM D 2270	92	93	93	92	92
Flash Point, COC, ° C Pour	ASTM D 92	270	270	280	304	320
Point, ° C	ASTM D 97	- 6	- 9	- 9	- 9	- 9
Foam Test, (24 ° C - 93 ° C - 24 ° C)	ASTM D 892	40/0	30/0	10/0	10/0	10/0
		20/0	20/0	20/0	20/0	20/0
		40/0	30/0	10/0	10/0	10/0
Total Acid Number, TAN Copper	ASTM D 974	0.1	0.1	0.1	0.1	0.1
Strip Corrosion	ASTM D 130	1 a	1 a	1 a	1 a	1 a
Rust Test	ASTM D 665B	Passes	Passes	Passes	Passes	Passes
Rotary Bomb Oxidation Test (RBOT)	ASTM D 2272	423	377	369	318	291

* Values may differ from production to production.

