

EPPCO TIEROS

PRODUCT DESCRIPTION

EPPCO TIEROS oils are a range of premium quality, heavy duty industrial gear oils which have been developed for the lubrication of enclosed gears, working under both normal and severe operating conditions. They are formulated from high quality paraffinic base oils and incorporate mild extreme pressure sulphur-phosphorus chemical technology. **TIEROS oils** show excellent results in the FZG Gear Load Test which is a benchmark for gear wear protection and confirms its excellent load carrying capacity. In addition, special inhibitors provide excellent protection against rust, corrosion, and foaming.

APPLICATIONS

- ◆ Enclosed industrial gear units operating under high loads and or severe shock loading conditions.
- ◆ Enclosed spur, helical, bevel and worm gears
- ◆ Heavily loaded plain or anti-friction bearings operating under shock loading conditions.
- ◆ Oil bath with splash, circulation, or spray lubrication
- ◆ Chain drives, slide guides and flexible couplings
- ◆ Many manufacturing industries such as mining, cement, steel, and general engineering

PERFORMANCE STANDARDS

TIEROS meets and exceeds the following International specifications:

DIN	51517 Part 3
U.S. Steel	224
AGMA	9005-D94
David Brown	S1, 53101

Always follow equipment manufacturer's recommendation for required lubricant performance levels and oil change intervals. The oil viscosity selected should be based on operating conditions and Gear Manufacturers recommendations.

BENEFITS

TIEROS provides:

- ◆ Superior load carrying ability
- ◆ Reduced gear wear
- ◆ Minimal spalling or welding
- ◆ Excellent oxidation stability
- ◆ Protection against rust and corrosion

Technical Data*								
ISO Grades	68	100	150	220	320	460	680	1000
AGMA9005-D94 Grade	2EP	3EP	4EP	5EP	6EP	7EP	8EP	8AEP
Viscosity								
mm ² /s @ 40°C	68	100	150	220	320	460	680	1000
mm ² /s @ 100°C	8.5	11	14.7	18.6	24	30	36.5	41.7
Viscosity Index	95	95	95	95	98	96	96	96
Flash Point, °C	228	232	236	240	248	252	252	252
Pour Point, °C	-15	-15	-15	-15	-12	-12	-12	-12
FZG load stage	12	12	12	12	12	12	12	12
Product Code	341001	341002	341003	341004	341005	341006	341007	341008

*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT

The information on this product is available in the EPPCO Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information we recommend you review the MSDS. Handled correctly there are no special precautions suggested.