

EPPCO TIEROS SH

PRODUCT DESCRIPTION

EPPCO TIEROS SH oils are a range of premium quality, synthetic, heavy duty industrial gear oils which have been developed for enclosed gears working under severe operating conditions. They are formulated from polyalphaolefin base stocks and incorporate mild extreme pressure sulphur-phosphorus chemical technology. **TIEROS SH 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
- ◆ Very low pour point for very low temperature operations
- ◆ Excellent oxidation resistance in high temperature operations
- ◆ Very long life between oil service intervals with a factor of 2 – 4 times mineral gear oils
- ◆ Compatible with seals and “yellow” metals used in some types of gear systems

PERFORMANCE STANDARDS

TIEROS SH meets and exceeds the following International specifications:

DIN	51517 Part 3
ISO	6743-6 cat. CKD/CKT
U.S. Steel	224
David Brown	H type

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 SH provides:

- ◆ Exceptional load carrying ability
- ◆ Excellent control of gear wear
- ◆ Long oil life
- ◆ Excellent oxidation stability
- ◆ Protection against rust and corrosion

Technical Data*						
ISO Grades	150	220	320	460	680	1000
Density @ 15 °C kg/m ³	0.857	0.859	0.863	0.864	0.865	0.872
Viscosity mm ² /s @ 40°C	150	220	320	460	680	1000
Viscosity mm ² /s @100°C	19	25	33	44	65	80
Viscosity Index ISO 2909	145	150	150	155	155	155
Flash Point COC °C	260	265	265	270	270	270
Pour Point, °C	-42	-39	-36	-33	-24	-18
FZG load stage DIN 51 345/2	>13	>13	>13	>13	>13	>13
Product Code	341205	341202	341203	341204	341205	341206

*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.