

HYDRO-SYN EP

HYDROSYNTHETIC® GEAR LUBRICANT

Hydro-Syn EP gear lubricant is formulated to operate under extremes of temperature and high load conditions while minimizing wear and extending lubricant drain intervals. **Hydro-Syn EP** is a multi-service, all-season gear oil that provides extreme-pressure and wear protection for the severe conditions commonly found in hypoid differentials, non-synchronous manual transmissions and non-yellow metal industrial gear cases. **Hydro-Syn EP** is a unique blend of **Hydrosynthetic®** base stocks and the most technologically advanced additive system to provide outstanding thermal stability and thermal durability performance to meet the most severe service applications.

TYPICAL APPLICATIONS INCLUDE:

Differentials	Hypoid Gears	Final Drives
HD Manual Transmissions	Automotive Gears	Speed Reducers
Oiled Wheel Bearings	EP Industrial Gears	Steel Worm Gears

* **Hydro-Syn EP** is not suited for use in limited slip differentials; No. 0277 Hydro-Syn EP Limited Slip is recommended for those applications.

** **Hydro-Syn EP** is not suited for use in synchronous manual transmissions, No. 0964 Synchronized Automotive Transmission Gear Lubricant is recommended for those applications.

Hydro-Syn EP exceeds the performance requirements of the following specifications:

API GL-5	API MT-1	Meritor 0-76-B (80W-140)
SAE J2360	MIL-PRF-2105E	Meritor 0-76-E (75W-90)
Mack GO-J	AGMA 9005-E02	Meritor 0-76-Q/R

PRODUCT ATTRIBUTE	TEST METHOD	TYPICAL PROPERTIES	
SAE Grade	SAE J306	75W-90	80W-140
ISO Grade	ASTM D2422	100	320
Kinematic Viscosity, cSt @ 40°C	ASTM D445	101	298
Kinematic Viscosity, cSt @ 100°C	ASTM D445	13.9	27.1
Viscosity Index No.	ASTM D2270	140	120
Density, kg/l @ 15.5°C	ASTM D1298	0.876	0.887
Pour Point, °F (°C)	ASTM D97	-27 (-33)	-17 (-27)
Flash Point, °F (°C)	ASTM D92	354 (179)	365 (185)
Fire Point, °F (°C)	ASTM D92	401 (205)	441 (227)
4-Ball Wear, scar diameter, mm	ASTM D4172	0.30	0.29
4-Ball EP, Weld Point, kgf	ASTM D2596	--	500
Load Wear Index	ASTM D2596	--	84
Copper Strip Corrosion, 100°C, 3 hr	ASTM D130	1a	1a
PDSC Oxidation Induction Time, min @ 185°C	ASTM D5483	--	115
Rust Test, Distilled Water	ASTM D665A	Pass	Pass
Rust Test, Syn. Sea Water	ASTM D665B	Pass	Pass
Color		Purple	Purple

WARRANTY:

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

Hydrotex® is a manufacturer and distributor of high performance lubricant and fuel improver solutions. As an employee owned company, we help our customers develop sustainable solutions designed to improve system reliability, save energy, limit pollution, extend fixed asset life, reduce maintenance costs and improve fuel efficiency. Our products and services leverage over 75 years of innovation resulting in superior lubrication solutions and high touch customer service.