

# Syn-Tec Gear Oil



**ULTRA**  
LUBRICANTS

WORLD CLASS LUBRICANTS  
FOR TROPICAL CONDITIONS

## GENERAL

**Ultra Syn-Tec Gear Oil** is a premium quality, lead-free, extreme pressure (EP) gear oil utilizing sulphur-phosphorus EP technology. These scientifically engineered synthetic lubricants are formulated from synthetic base fluids that have exceptional oxidation and thermal properties. This results in an overall performance level superior to leaded EP gear oils, while at the same time satisfying environmental requirements.

**Ultra Syn-Tec Gear Oil** is manufactured from premium quality synthetic base oils which have inherently low traction properties that result in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling element bearings. Reduced fluid friction produces lower operating temperatures and can help improve gear efficiency. They are blended with a special “Clean Gear Technology” additive package, incorporated to enhance the:

- Anti-wear performance
- Thermal stability
- Corrosion protection
- Anti-foam properties
- Oxidation stability
- Cleaner Gear Sets

## KEY BENEFITS

The use of **Ultra Syn-Tec Gear Oils** with “Clean Gear Technology” would result in:

- Minimizing wear of heavy and shock loaded enclosed gears.
- High load carrying capacity in steel gear transmissions.
- Good anti-friction characteristics in steel/phosphor-bronze gear units.
- Less downtime and longer gear-set working life.
- Good oxidative and thermal stability in systems with bulk oil temperatures up to 100°C.
- Minimizing of harmful sludge and emulsions.

## MAIN APPLICATIONS

- Enclosed steel gears operating under load/speed conditions of extreme pressure.
- Automotive medium and low speed spur or helical gear units.
- Developed for car and commercial vehicles fitted with limited slip differentials.
- Spiral bevel and hypoid axle units on highway and off-highway vehicles.

## PERFORMANCE SPECIFICATIONS

The **Ultra Syn-Tec Gear Oil** range of lubricants meets or exceeds the test requirements of:

- SAE J2360,
- API MT-1,
- API GL-5,
- Mack GO-J
- Arvin Meritor O76-D (SAE 80W-90),
- Arvin Meritor O76-A (SAE 85W-140),
- Ford WSP-M2C197-A (SAE 80W-90).

## **TYPICAL PROPERTIES**

	TEST METHOD		
SAE Viscosity Grade		80W 90	85W 140
Kin. Viscosity @ 40°C, cSt	ASTM D445	94.30	188.20
Kin. Viscosity @ 100°C, cSt	ASTM D445	15.70	27.00
Viscosity Index	ASTM D2270	180	182
Specific Gravity @ 60/60°F	ASTM D1298	0.8932	0.9024
Closed Flash Point, °C	ASTM D93	182	190

## **HEALTH AND SAFETY**

**Ultra Syn-Tec Gear Oil** is unlikely to pose any health or safety hazards when used in the recommended applications, provided good standards of personal and industrial hygiene are observed. Please refer to Material Safety Data Sheet (MSDS) for further information.

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