



## Monarch Syngear Plus

### *Full Synthetic Transmission/Gear Oil*

**Monarch Syngear Plus** SAE 75W90 and 80W140 are heavy duty, extreme pressure, GL-5 gear lubricants. They are compounded using a synthetic base stock, which has a high viscosity index and an exceptionally low pour point. These lubricants contain extreme pressure additives, as well as rust, oxidation and corrosion inhibitors to protect gears and bearings operated under a wide variety of load conditions. The high and low temperature performance of these oils exceeds those of conventional SAE 80W-90, SAE 90 and 85W-140 hypoid gear lubricants.

**Monarch Syngear Plus** is able to be used in a number of gear related applications that may require high load-carrying abilities. In addition it is also formulated to be used under extreme pressure and where shock loads are typical. Because of its synthetic base and supreme additive package, **Monarch Syngear Plus** can meet the most severe requirements and stay in-grade for a significant amount of time.

#### Product Features:

- Provides extremely high-film strength and superior low temperature performance
- Anti-rust and anti-corrosion properties
- Promote extended gear and bearing life
- Excellent demulsibility and shear stability

#### Customer Benefits:

- Extended drain intervals which creates more savings
- Reduced maintenance and downtime
- Improved fuel mileage
- Excellent performance over a road temperature range



## **Applications:**

- Recommended for applications where heat and wear present major problems. These applications include manual transmissions where EP type lubricants are recommended, differentials including limited slip, and transfer cases for heavy equipment, trucks, tractors and industrial gear drives. Automobiles, light duty trucks and farm machinery are other potential uses of these lubricants.

## **Specifications:**

- API Service Classifications GL-5 and MT-1
- MIL-L-2105D / MIL-PRF-2105E
- Meritor Automotive 0-76-E (75W-90) and 0-76-B (80W-140)
- Eaton Axle Division Bulletin 88-102
- Mack Trucks GO-J Plus (75W-90) and GO-J (80W-140)
- Navistar TMS 6816
- Eaton Axle Division
  - PS-163 (E500 - 500,000-mile drain interval Roadranger Extended Warranty)
  - PS-037 (E500 - 500,000-mile drain interval Roadranger Extended Warranty)
- Axle Division, Dana Corporation





# Product Data Sheet



## Typical Properties

### Monarch Syngear Plus

Product Number	881	882	Test Method
Grade	75W90	80W140	-
ASTM Color	<1.5	<1.5	ASTM D1500
Viscosity@40°C, cSt	17	31	ASTM D445
Viscosity@100°C, cSt	117.1	278.6	ASTM 7042
Viscosity Index (VI)	157	145	
Flash Point@°C	192	230	ASTM D92
Pour Point@°C	-39	-33	ASTM D97
API	27.67	25.72	-
Specific Gravity@60°F	0.889	0.9	
Lbs./Gal	7.404	7.495	-
Density	0.889	0.899	-

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

#### Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. [www.royalmfg.com](http://www.royalmfg.com) or call (918)-584-2671.



5 Gal. Pails



55 Gal. Drums



275/330 Gal. Totes



>2000 Gal. Bulk

