

## PRODUCT DATA SHEET

### **Monarch Syngear Plus**

#### **Heavy Duty Extreme Pressure Gear Lubricants**



#### **PRODUCT DESCRIPTION:**

**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.

#### **KEY 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 Life
- 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.

#### **PACKAGING:**

Totes, Drums, and Pails

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#### SPECIFICATIONS AND APPROVALS:

- 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

### 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 D445
Viscosity Index (VI)	157	145	ASTM D2270
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	ASTM 4052
Lbs/Gal	7.404	7.495	
Density	0.8885	0.8995	

*Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.*

#### Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, [www.royalmfg.com](http://www.royalmfg.com), or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.