

PRODUCT DATA SHEET

Royal Monarch Syntran Plus

Synthetic Transmission Fluid Roadranger approved



PRODUCT DESCRIPTION:

Royal Monarch Syntran Plus is a specially formulated synthetic lubricant designed for extended drain and severe service in heavy-duty manual transmissions which require a non-EP gear or transmission lubricant.

Formulated from a synthetic base stock with a high viscosity index and low pour point,

Royal Monarch Syntran Plus provides superior all-weather, year-round performance. It also contains an anti-wear additive as well as rust, oxidation and corrosion inhibitors that protect bearings and synchronizers, reduce component wear and promote longer transmission and lubricant life.

In addition, the high viscosity index, low pour point and sub-zero fluid flow provide for easier cold weather shifting, less drag and less gear wear because vital transmission parts are lubricated quickly.

Since **Royal Monarch Syntran Plus** is highly stable when exposed to severe heat, oxidation and shear conditions, it provides exceptional high temperature lubrication for extended drain intervals.

KEY FEATURES:

- All-weather, year round performance
- Improved component protection

CUSTOMER BENEFITS:

- Easier cold weather shifting
- Extended drain interval
- Fuel economy

APPLICATIONS & APPROVALS:

- Eaton Transmission Division
 - PS-164 (E500 – 500,000 mile drain interval Roadranger® Extended Warranty).
 - PS-081 (E250 – 250,000 mile drain interval Roadranger® Extended Warranty).
- Eaton (Dana/Spicer) and Meritor (formerly Rockwell International) for extended drain/warranty applications – 750,000 mile transmission warranty coverage (Meritor with 500,000 mile factory-fill and Eaton with 500,000 mile service fill change intervals)
- API MT-1 performance requirements
- Mack TO-A Plus
- Meritor Automotive, Inc 0-81 (syn.)
- Navistar TMS 6816

Royal Monarch Syntran Plus is E500 Roadranger® approved for 500,000-mile drain interval (both factory fill and service fill).

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PACKAGING:

Tote, Drum, Pail and Quart

Typical Properties

Royal Monarch Syntran Plus		
Product Number	880	Test Method
SAE Grade	50	
Viscosity @ 40C, cSt	134	ASTM D445
Viscosity @ 100C, cSt	17.6	ASTM D445
Viscosity @ 100F, SUS	690	ASTM D2161
Viscosity @ 210F, SUS	90.4	ASTM D2161
Viscosity Index	145	ASTM D2270
Flash Point, C	220	ASTM D92
Pour Point, C	-36	ASTM D97
API Gravity @ 60F	25.2	
Density, lbs./gal.	0.903	ASTM D4052
Color Visual	<1.5	ASTM D1500

Typical Properties are typical of those obtained with normal production tolerance and do not constitute 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, 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.