

# EMGARD® 2805 ATF



EMGARD® 2805 ATF is a full synthetic, multi-functional fluid for automatic and power shift transmissions.

EMGARD® 2805 ATF is composed of selected base stocks and an advanced additive system which provides excellent performance in General Motors and Allison Heavy Duty transmissions. It has been approved for General Motors DEXRON-III, Allison TES-295 and Allison C-4.

## TYPICAL CHARACTERISTICS

Acid number [mg KOH/g]	ASTM D 974-95	<=2,0
Flash Point	ASTM D 92-97	>=240 °C
Density (15,6 °C)	ASTM D 4052-96	0,8000-0,9000 g/cm3
Viscosity (dynamic) (-40,0 °C)	ASTM D 2196	<= 7.800,00 mPas
Viscosity (kinematic) (100 °C)	ASTM D 445-97	<=7,0 mm2/s

## EMGARD® 2805 Approvals:

- General Motors DEXRON-III or earlier
- Allison TES-295
- Allison C-4
- Voith Transmissions
- ZF Transmissions

## PROPERTIES AND PERFORMANCE

### EMGARD® 2805 ATF

### Test Methods

EMGARD® 2805 ATF	Test Methods	
SAE Grade	SAE J-300	20
Viscosity, cSt 100 °C	ASTM D-445	7.6
Viscosity, cSt 40 °C	ASTM D-445	38.9
Viscosity Index	ASTM D-2270	168
Viscosity, -40 °C, cP	ASTM D-2983	8,400
Cold Cranking Simulator Viscosity, cP@ -30 °C	ASTM D-5293	2,900
Flash Point, °C (°F)	ASTM D-92	232 (448)
Fire Point, °C (°F)	ASTM D-92	274 (525)
Pour Point, °C (°F)	ASTM D-5950	-55 (-67)
API Gravity, 15.6 °C/60 °F	ASTM D-287	35.0
Specific Gravity, 15.6 °C/60 °F	ASTM D-1298	0.85 (7.08 lb/gal)
NOACK Evaporative Loss, wt %1 hr, 150 °C	DIN 51581	0.62
Four-Ball Wear, mm scar 40 kg, 1200 rpm, 1 hr, 75 °C	ASTM D-2266	0.44

# EMGARD® 2805 ATF



## APPLICATION

EMGARD® 2805 ATF is recommended for a variety of applications:

- Inter-Intra-city buses
- Vans, School buses
- Refuse fleets
- Emergency vehicles
- Commercial vehicles and trucks
- Motor Homes
- On/Off-highway vehicles
- Vocational vehicles
- Light Duty Pickup Trucks and Cars where DEXRON III is approved

## Technical Application Data

### Advantages of EMGARD® 2805 ATF:

#### Provides excellent performance

- Due to the selected basestocks and advanced additive system, EMGARD® 2805 provides high performance and extended drain capabilities in transmissions.

#### Excellent oxidation control

- Full synthetic EMGARD® 2805 has excellent thermal and oxidation stability which resists deposit formation. It has extended drain and filter change intervals in Allison TES-295 approved equipment.

#### Advanced wear control

- The additive system provides excellent protection from corrosion, foaming, rust, and wear.

#### Use over wide temperature range

- EMGARD® 2805 utilizes high viscosity index synthetic base fluids which provide superior high/low temperature performance.

#### Friction retention

- Friction durability and excellent shear stability are provided by the EMGARD® 2805 to ensure and maintain smooth transmission operations with extended drain intervals.

## TRANSPORTATION, HANDLING, & STORAGE

### Handling

Please refer to material safety data sheet for details.

### Shelflife

The product can be stored for at least 3 years at ambient storage conditions and temperature without any deterioration.

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Due to continual research and development, the information contained herein is subject to change without notice. Always follow manufacturers' recommendations for lubricant performance, viscosity grade and oil change interval as these may vary depending on ambient temperature, fuel composition, model year and environment of operation.