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# Emgard<sup>®</sup> 2805 ATF

## General characterization

Emgard 2805 ATF is a full synthetic, multi-functional fluid for automatic and power shift transmissions. Emgard 2805 ATF is composed of selected basestocks and an advanced additive system which provides excellent performance in General Motors and Allison heavy duty trans-missions. It has been approved for General Motors DEXRON-III, Allison TES-295 and Allison C-4.

## Approvals

- Allison TES-295 (AN-031002)
- Allison TES-468
- Allison C-4 (33014203)
- ZF TE-ML 14C
- Voith H55.633636
- DEXRON<sup>®</sup>-III (G-34746)

## Performance data

Properties	Emgard 2805 ATF	Test method
SAE grade	20	SAE J-300
Viscosity, cSt		ASTM D445
100 °C	7.6	
40 °C	38.9	
Viscosity index	168	ASTM D2270
Viscosity, – 40 °C, cP	8400	ASTM D2983
Cold cranking simulator viscosity, cP, – 30 °C	2900	ASTM D5293
Flash point, °C (°F)	232 (448)	ASTM D92
Fire point, °C (°F)	274 (525)	ASTM D92
Pour point, °C (°F)	– 55 ( – 67)	ASTM D5950
AP1 gravity, 15.6 °C/60 °F	35.0	ASTM D287

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Specific gravity, 15.6 °C/60 °F	0.85 (7.08 lb/gal)	ASTM D1298
NOACK evaporative loss, wt% 1 hr, 150 °C	0.62	DIN 51581
Four-ball wear, mm scar 40 kg, 1200 rpm, 1 hr, 75 °C	0.44	ASTM D2266
Acid number [mg KOH/g]	1.5	ASTM D974-95

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## Application

### Use

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 ATF provides high performance and extended drain capabilities in transmissions.
  - Excellent oxidation control  
Full synthetic Emgard 2805 ATF 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 ATF utilizes high viscosity index synthetic base fluids which provide superior high/low temperature performance.
  - Emgard 2805 ATF provides friction retention, friction durability, and excellent shear stability to ensure and maintain smooth transmission operations with extended drain intervals.
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## Transportation, handling & storage

<b>Handling</b>	Please refer to material safety data sheet for details.
<b>Shelf life</b>	The product can stored for at least 3 years at ambient storage conditions and temperature without any deterioration.

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### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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