



Shell Donax TX

Premium Heavy Duty Transmission Oil

Shell Donax TX Oil is a premium quality synthetic-blend, heavy duty universal power shift and automatic transmission fluid which is suitable for use in transmissions requiring Allison TES-295 fluids. Engineered to meet the requirements of the latest heavy duty transmissions, Donax TX is the ultimate performance synthetic-blend automatic transmission fluid which enables extended service intervals and extended limited warranty. Donax TX remains stable even under severe operating conditions.

Applications

- **Heavy Duty Automatic Transmissions**

Donax TX was developed to meet the extended drain requirements of late model heavy duty transmissions. It is particularly suitable for transmissions requiring a TES-295 type product. Donax TX is recommended for used in the following applications:-

- Municipal fleets
- Vans, school buses
- Buses and Coaches
- Emergency vehicles
- Commercial vehicles and trucks
- Motor-homes
- On/Off-highway vehicles
- Heavy duty pickup trucks

Donax TX can also be used in ZF and Voith manufactured heavy duty transmissions as well as those previously serviceable by Dexron® III and Mercon®, and is particularly suited to mixed fleet operations.

Performance Features and Benefits

Shell Donax TX offers the following performance features and benefits:

- **Excellent thermal and oxidation stability**
Donax TX resists formation of deposits to ensure longer fluid life and better fluid performance under arduous conditions.
- **High viscosity index**
Donax TX incorporates latest synthetic-blend base fluid technology, which provides outstanding high and low temperature performance. The physical characteristics provided by the additive technology and semi-synthetic base oils

allows for extremely low temperature fluidity, further protecting the transmission components from premature wear under extreme operating conditions.

- **Excellent shear stability, corrosion and foaming resistance**

Donax TX retains its fluid characteristics even under high loads and shear conditions. The excellent wear protection, shear stability and frictional characteristics of the additive technology provides outstanding oil performance allowing the equipment operator to extend oil drain intervals while maximising the life of the transmission.

- **Compatible with most other automotive transmission fluids and seals**

When changing to Donax TX, Shell recommends the transmission system is appropriately drained and flushed in order to obtain all of the performance benefits that changing to this fluid will provide.

Donax TX is, however, compatible with most other transmission fluids and seals.

- **One fluid for year-round use in all geographic locations**

Oil Drain Interval Potential:

This technology allows extended oil drain intervals up to 50,000 miles for severe service and 100,000 miles for regular service, and should be accompanied by an appropriate oil analysis program.

Oil analysis should be conducted every 15,000 miles interval beyond the standard recommended drain interval of a C-4 fluid.

Shift Comfort and Maintenance Costs

The combination of these features and benefits translates into smooth shifting comfort, and lower

maintenance costs due to extended drain intervals and longer transmission component life.

Specifications and Approvals

- Allison TES-389 (AA-32332007)
- Former Dexron-III applications
- Former Ford Mercon applications
- Ford Mercon V (M5060501)
- Voith 55.6335.33 (Aug04)
- ZF TE-ML14B, 16L, 17C
- Allison C-4
- MAN 339 Type F

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water

Typical Physical Characteristics

Shell Donax TX Typical Properties		
Properties	Test Method	Results
Kinematic Viscosity @40° C cSt @100° C cSt	ASTM D-445	33.7 7.1
Viscosity Index	ASTM D-2270	181
Specific Gravity at 16°C	ASTM D-287	0.85
Flash Point COC (°C)	ASTM D-92	212
Pour Point (°C)	ISO 3016	-51

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.



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