

# Shell Lubricants Products

## Shell Donax Heavy-Duty Automatic Transmission Fluids

### Heavy-Duty (HD) Automatic Transmissions (ATs)

- HD ATs are found in many on and off-highway applications. They are becoming more popular as the need for performance without the loss of power during shifting increases.

### Shell recognizes the importance of protecting and maximising the performance of HD ATs

- Transmitting power efficiently through an automatic transmission takes a well engineered fluid that will help minimise clutch and component wear, while delivering the proper frictional characteristic to ensure long equipment life and smooth shifting in severe applications.

### Shell understands the role that Heavy-Duty Automatic Transmission Fluids (ATFs) play in your business

- Depending on the type of operation, ATFs can represent a significant percent of the fluids consumed in the maintenance and operation of your machinery.
- Shell leadership is clear, the number one provider of lubricants in the world, and the Shell Donax portfolio covers the vast majority of existing HD AT requirements.

### Shell Donax HD ATFs help you win in your market

TIER POSITION	PRODUCT BRAND	DESCRIPTION
Special Application	Shell Donax, TV, TZ	Premium performance synthetic ATF especially suited for extended drain applications in HD applications such as Voith and ZF
	Shell Donax TDS	Premium performance synthetic universal tractor hydraulic oil (UTTO) designed to offer extended drain capabilities while providing exceptional wear protection especially in severe applications, also designed to suppress wet brake noise
Premium	Shell Donax TX	High performance multi-purpose HD ATF suitable for use in many makes and models. Designed to be a multi-vehicle HD ATF where one fluid is a must and where many makes and models of ATs need to be serviced
	Shell Donax TDQ	High performance UTTO where wet brake noise is a problem. Engineered specifically to reduce wet brake noise
	Shell Donax CFD	High performance final drive oil designed to give new benefits based on improved levels wear protection especially in severe applications where CATERPILLAR equipment require an oil meeting the FD-1 specification
	Shell Donax TC	High performance power-shift transmission and hydraulic oils designed to meet the requirements of CATERPILLAR TO-4
Mainstream	Shell Donax TD Shell Donax TD Low Vis	High quality UTTO suitable for use in many applications calling for one fluid satisfying the needs of the transmission, hydraulic and differential. Commonly found in agricultural, construction, forestry and mining applications
	Shell Donax TA-389	High quality ATF designed to meet the performance requirements of many light duty and heavy-duty automatic transmissions. Licensed and approved for Allison TES-389 applications
	Shell Donax TA	High quality ATF designed to meet the performance requirements of many HD ATs, power steering and hydraulic systems normally found on mobile equipment



## Performance specifications

- Shell Donax products are formulated to meet the performance requirements of Allison, Caterpillar, John Deere, Massey Ferguson, Kubota, Voith, ZF and many others.
- Please refer to individual Technical Data Sheets for specific products and performance.

## Original Equipment Manufacturing (OEMs)

- Shell Donax products are formulated in accordance with the requirements of the transmission manufacturers such as Allison, Caterpillar, John Deere, Massey Ferguson, Kubota, Voith, ZF and many others.
- Please refer to individual Technical Data Sheets for specific products and OEMs.

## Availability

- Shell Donax products are available where Shell Lubricants are present. Premium and specialty products are made available in the markets where supply can be justified.
- The various Shell Donax products are offered in different viscosity grades to fit the needs of the equipment and climate they operate in. Common packages include drums and pails, typically 209 litre drums (55 gallons) or 20 litre pails (five gallons). However, depending on the geography and country, it may also be possible to find smaller packs such as the one and four litre bottles, as well as delivery in bulk by truck or tanker. These are subject to local Shell commercial and supply chain conditions.

## Key customer needs and Shell product benefits

WHAT CUSTOMERS TYPICALLY NEED FROM AN AUTOMATIC TRANSMISSION OIL	VALUE BENEFITS AVAILABLE FROM THE SHELL PRODUCT RANGE	APPLICATION ADVANTAGE FROM WHICH THE BENEFITS ARE DERIVED	PRODUCT FEATURES WHICH DELIVER THE APPLICATION ADVANTAGES
Smooth shifting with little power loss as well as longer equipment component life	Smooth shifting and lower operating costs	Longer component life	Excellent long-drain capabilities built into top tier Shell Donax series
Robust protection of automatic transmissions	Reduced replacement costs	Automatic transmission protection	Outstanding performance with customized products designed for each AT OEM
Appropriate ATF for the equipment, application and the climate	The right product is available around the world for the specific equipment and operating conditions	Appropriate equipment protection, while maximising oil life (no-compromise)	Shell Donax series is available to meet your exact need for your equipment and operating conditions