

# Shell Donax TD

## High performance tractor transmission oil



Premium “universal tractor transmission oils” (UTTO) designed for use in transmissions, hydraulic systems, oil immersed brakes and other ancillary systems fitted to agricultural tractors and off-road equipment. Donax TD are recognised by leading agricultural equipment manufacturers and suitable for use in most modern equipment.

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### Applications

- **Agricultural Tractors Transmissions**  
Donax TD have been evaluated against the latest requirements of leading tractor and transmission manufacturers including John Deere, Massey Ferguson, Ford-New Holland and GM Allison.
- **Hydraulic Systems**  
Donax TD are ideally suited for hydraulic systems of tractors and ancillary equipment. Donax TD are formulated using specially selected additives and high quality base oils to provide good low temperature fluidity and wear protection.
- **Oil Immersed Brakes**  
Special friction modifying additives are included in Donax TD to ensure optimum performance of oil immersed brakes whilst minimising brake noise. Donax TD are recommended for most wet brake systems fitted to agricultural tractors.

**Warning:** *Not to be used as an engine oil*

### Performance Features and Benefits

- **Enhanced Protection**  
Excellent anti-oxidation, anti-wear, anti-corrosion and anti-foam characteristics result from the use of the latest additive technology leading to greater reliability and reduced down time thus minimising cost and maximising utilisation.
- **Operator Comfort**  
The excellent low temperature fluidity characteristics of Donax TD results in responsive hydraulic performance and smooth gearshift performance from cold starts. Friction modifying additives ensure smooth, noise-free operation of oil immersed brakes.
- **OEM Recognition**  
Donax TD have been tested and approved by a wide range of equipment manufacturers.

### Specification and Approvals

API Gear Performance	API GL-4
Ford New Holland	M2C-134D
	FNHA-2-D.201.00
John Deere	JDM-J20C
Massey-Ferguson	M1143
	(10W-30 grade only)
	M1135 (meets)
	(5W-30 grade only)
Volvo	WB 101
ZF TE-ML	03E, 05F
Caterpillar	TO-2
Komatsu	recommended for use in certain construction equipment

### Recommendations

Donax TD are also recommended for use in Case equipment where fluids meeting MS 1207 are specified.

Donax TD 5W-30 can be used when a SAE J 306 80W grade is recommended.

Donax TD 10W-30 can be used when a SAE J 306 85W grade is recommended.

## Health and 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 authorized collection point.  
Do not discharge into drains, soil or water.

## Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

## Typical Physical Characteristics

Donax TD		5W-30	10W-30
<b>SAE Viscosity Grade</b>	SAE J 300	5W-30	10W-30
<b>Kinematic Viscosity</b>	ISO 3104		
at 40°C            mm <sup>2</sup> /s		55.4	70.4
at 100°C           mm <sup>2</sup> /s		9.5	11.2
<b>Viscosity Index</b>	ISO 2909	156	151
<b>Density at 15°C</b> kg/m <sup>3</sup>	ISO 12185	882	884
<b>Flash Point COC</b> °C	ISO 2592	205	220
<b>Pour Point</b> °C	ISO 3016	-39	-42

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