



SHELL DONAX[®] TC

Premium fluids for heavy duty off-highway equipment transmission and hydraulic systems

Product Description

Shell Donax[®] TC oils are designed to meet the demanding requirements of modern transmission, final drive, oil immersed brake and hydraulic systems fitted to heavy-duty off-road equipment. Specially formulated, they meet the Caterpillar TO-4 specification as well as the Allison C-4 requirements for transmission and drive train fluids and are available in SAE viscosity grades 10W, 30, 50 and 60.

Applications

- applications requiring a TO-4 fluid such as transmissions, final drives and hydraulic systems
- manual, powershift and automatic transmissions requiring a Allison C-4 fluid (SAE 10W and 30 grades)
- high pressure hydraulic systems requiring antiwear properties and excellent rust protection
- non-engine applications requiring an API CD/TO-2 fluid
- twin disc clutches

Shell Donax[®] TC is **not recommended** for farm tractor service that employs a common reservoir for transmission and hydraulic systems. Shell Donax[®] TD is more suitable for those applications.

Features/Benefits

- outstanding oxidation resistance and sludge control
- available in SAE viscosity grades 10W, 30, 50, and 60 to meet varied operational needs
- provide excellent antiwear performance for gears, hydraulic pumps and drive train components
- excellent controlled frictional properties that minimizes chatter in wet-disc brakes, extend clutch life and provide transmission slippage control, especially during high-load operation at extreme temperatures
- do not contain friction modifiers, making them suitable for use in twin disc clutches

Approvals and Recommendations

Shell Donax[®] TC is recommended for use in all of the following applications:

- Allison C-4, C-3 (SAE 10W, 30)
- Caterpillar TO-4, TO-2
- Eaton Fuller transmissions
- Euclid Equipment
- Ford Type F transmission fluid (SAE 10W)
- Komatsu-Dresser Equipment
- Terex Construction Equipment
- Vickers M-2950-S for Mobile Hydraulics
- ZF Powershift

Typical Properties of Shell Donax[®] TC Oils

	Test Method	SAE Grade			
		10W	30	50	60
Product Code		53082	53083	53084	53180
Gravity, °API	D 1298	30.4	28.8	26.5	25.2
Viscosity: @ 100°C, cSt	D 445	6.0 – 7.5	10.6 – 12.0	17.5 – 19.5	22.5 – 25.5
Viscosity Index	D 2270	100 min.	102 min.	96 min.	96 min.
Flash Point, °C (°F)	D 92	210 (410)	227 (440)	229 (445)	232 (450)
Pour Point, °C (°F)	D 97	-36 (-33)	-30 (-22)	-20 (-4)	-18 (0)

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call 1+800-468-6457 for all of your service needs. All other customers, please call 1+800-840-5737 for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.