Technical Data Sheet

Formerly Known As: **Shell Donax TD**

# Shell **Spirax** ***S4 TXM***

***Premium SAE 10W-30 Multi-functional Tractor Transmission and Hydraulic Oil***

Premium “universal tractor transmission oil” (UTTO) designed for use in transmissions, hydraulic systems, oil immersed brakes and other ancillary systems fitted to agricultural tractors and off-road equipment. Spirax S4 TXM is recognised by leading agricultural equipment manufacturers and suitable for use in most modern equipment.

## DESIGNED TO MEET CHALLENGES

### Performance, Features & Benefits

- **Enhanced protection**
  Excellent anti-oxidation, shear-stability, 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 of Spirax S4 TXM results in responsive hydraulic performance and smooth gearshift performance, from cold starts to maximum operating temperatures. Friction modifying additives help create smooth, noise-free operation of oil immersed brakes.
- **OEM recognition**
  Shell Spirax S4 TXM has been tested and approved by a wide range of equipment manufacturers.

### Main Applications



- **Agricultural tractor transmissions**
  Shell Spirax S4 TXM has been evaluated against the latest requirements of leading tractor and transmission manufacturers including John Deere, Massey Ferguson, CNH and ZF.
- **Hydraulic systems**
  Shell Spirax S4 TXM is ideally suited for hydraulic systems of tractors and ancillary equipment. Spirax S4 TXM is 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 Spirax S4 TXM to ensure optimum performance of oil immersed brakes whilst minimising brake noise. Spirax S4 TXM is recommended for most wet brake systems fitted to agricultural tractors and off-highway construction equipment.
- **Warning!**
  Not to be used as an Engine Oil.

## Specifications, Approvals & Recommendations

- API GL-4
- Case New Holland MAT 3525 (meets the requirements of)
- John Deere JDM J20C
- Massey-Ferguson M1145
- Volvo WB 101, Transmission Oil 97303:015
- ZF TE-ML 03E, 03L, 05F, 06D, 06K, 06M, 06N, 06R, 17E, 21F
- DANA-OHTM-UTTO: 20A-0001
- Komatsu - recommended for use in certain construction equipment
- Suitable for use in applications where Allison C-4 type fluids are required
- Spirax S4 TXM can be used when a SAE J 306 80W grade is recommended
- Superseded (for USA): Massey Ferguson M1143; Ford M2C-134 A-D, FNHA-2-C.201.00
- Shell Spirax S4 TXM is also recommended for use in Case equipment where fluids meeting MS 1207, 1209 or 1210 are specified
- Obsolete (for USA): Caterpillar TO-2

  For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk

## Typical Physical Characteristics

| Properties | | | Method | Shell Spirax S4 TXM |
|---|---|---|---|---|
| SAE Viscosity Grade | | | SAE J 300 | 10W-30 |
| Kinematic Viscosity | @40°C | $mm^2/s$ | ISO 3104 | 60 |
| Kinematic Viscosity | @100°C | $mm^2/s$ | ISO 3104 | 9.4 |
| Viscosity Index | | | ISO 2909 | 138 |
| Density | @15°C | $kg/m^3$ | ISO 12185 | 882 |
| Flash Point (COC) | | °C | ISO 2592 | 220 |
| Pour Point | | °C | ISO 3016 | -42 |

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

## Health, Safety & Environment

- **Health and Safety**

  Shell Spirax S4 TXM is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

  Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

  Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from https://www.epc.shell.com/

- **Protect the Environment**

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

## Additional Information

- **Advice**

  Advice on applications not covered here may be obtained from your Shell representative.