Technical Data Sheet

Formerly Known As: **Shell Donax TDS**

Shell **Spirax** ***S6 TXME***

Synthetic Technology, SAE 10W-30, Multi-functional Tractor Oil

Spirax S6 TXME is the latest technology “Universal Tractor Transmission Oil” (UTTO) designed to provide a superior lubrication in transmissions, hydraulic systems, oil immersed brakes and other ancillary systems fitted to agricultural tractors and off-road equipment. Spirax S6 TXME, combining Shell XHVI synthetic base fluid with the newest additive technology, is particularly suitable for heavy-duty applications running in sustained high heat operating conditions.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Superior brake noise suppression**
  Shell Spirax S6 TXME utilises next generation additive technology to suppress brake noises. This provides smooth equipment operation without any compromise on brake and clutch capacity resulting in higher operator comfort. This technology was demonstrated to show a marked improvement in a wide range of mobile equipment ranging from tractors to wheel loaders.
- **Uncompromised hardware protection**
  Dramatically improved anti-wear and extreme pressure characteristics together with excellent filterability ensure protection of critical hydraulic and transmission components. Spirax S6 TXME contributes to increase productivity and reliability, to reduce maintenance cost and downtime and to prolong equipment life.
- **Superior oxidation and thermal stability**
  Shell Spirax S6 TXME is formulated using an optimised anti-oxidant/anti-corrosion additive system and synthetic Shell XHVI base oils to provide an exceptional ability to protect exposed metal surfaces and to minimize the effects of oil oxidation. Spirax S6 TXME will be able to lubricate the equipment for longer periods of sustained high fluid temperature than conventional products.

Main Applications

Spirax S6 TXME will provide excellent performance in all agricultural tractors and off-road equipment specifying a UTTO (Universal Tractor Transmission Oil). Spirax S6 TXME has been tested and approved by a wide range of equipment manufacturers, and evaluated against the latest requirements of leading tractor and transmission manufacturers including John Deere, Massey Ferguson, Ford New Holland and ZF. Spirax S6 TXME is specifically designed for those applications where heavy duty sustained operation has driven up oil temperatures and necessitated higher load-carrying capacity.

Specifications, Approvals & Recommendations

- API Gear Performance API GL-4
- Case New Holland MAT 3525
- AGCO 821 XL
- John Deere JDM J20C
- Massey-Ferguson CMS M1145, M1143, M1141, M1135
- Volvo 97303: 018, WB 101
- ZF TE-ML 03E, 03L, 05F, 17E, 21F
- Caterpillar TO-2
- Ford M2C-134D
- New Holland FNHA-2-C.201.00

Spirax S6 TXME is also recommended for use in Case equipment where fluids meeting MS 1207 and MS 1209 are specified

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

Typical Physical Characteristics

Properties			Method	Shell Spirax S6 TXME
SAE Viscosity Grade			SAE J300	10W-30
Kinematic Viscosity	@40°C	mm^2/s	ISO 3104	64.4
Kinematic Viscosity	@100°C	mm^2/s	ISO 3104	10.8
Viscosity Index			ISO 2909	151
Density	@15°C	kg/m^3	ISO 12185	872
Flash Point (COC)		°C	ISO 2592	226
Pour Point		°C	ISO 3016	-48

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 S6 TXME 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.