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Technical Data Sheet

Formerly Known As: **Shell Harvella TX 10W-40**

Shell Spirax S4 TX

Premium Performance, SAE 10W-40, Universal Tractor Oil

Shell Spirax S4 TX Oil is 'Super Tractor Oil Universal' (STOU) oil based on Shell's XHVI base oil technology and an advanced additive package. Spirax S4 TX gives superior performance in engine, transmission and hydraulic applications for a wide range of agricultural equipment and applications.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Practical, convenient and multi-functional**

Shell Spirax S4 TX is a superior, high performance multi-purpose oil for suitable for most lubricant applications around the farm.

- **High performance**

The high performance capabilities of Spirax S4 TX can lead to a substantial increase in the life of all mechanical components. Use of XHVI base oils and shear stable additive protection against viscosity breakdown that is superior to most products in its class. Full bodied Spirax S4 TX helps to prevent metal fatigue and early wear of all working parts.

- **Engine cleanliness**

The incorporation of Shell XHVI minimises the need for polymers to improve viscosity/temperature characteristics. Such polymers are known to have an adverse effect on engine cleanliness. The use of Spirax S4 TX can lead to significantly cleaner engines with a consequent increase in engine life and efficiency.

- **Excellent low temperature properties**

More fluid and versatile than 15W-30, 15W40 and 20W-30 oils at low temperature providing good year-round performance.

- **Cold hydraulic performance**

Good low temperature fluidity at cold start-up temperatures means less wear and improved hydraulic response.

- **Low volatility**

Meets the most stringent of today's engine oil volatility requirements with benefits from reduced oil consumption.

- **Good fuel economy**

Low viscosity Spirax S4 TX can bring savings in fuel, without compromising on engine protection or increasing oil consumption.

- **Excellent gear protection**

Superb protection for all transmissions, gears and bearings.

- **Good oxidation stability**

Antioxidant additives provide protection against oxidation and deposit formation resulting in better protection and longer equipment life.

- **Excellent anti-corrosion properties**

Excellent protection for all working parts.

Main Applications



- Universal performance - suitable for many types of tractor transmission/hydraulic systems
- Oil immersed brakes
- Powershift transmissions
- Hydraulics
- Power steering systems
- Hydrostatic transmissions
- Conventional gear drive systems

Specifications, Approvals & Recommendations

- Massey-Ferguson : M-1139, M-1145
- John Deere : JDM J27
- Caterpillar : CAT TO-2
- ZF TE-ML 06B, 06D, 06F, 06N, 07B
- API Service Classification : GL-4

- Can be used in applications requiring API CF-4 / SF performance level

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

Typical Physical Characteristics

Properties			Method	Shell Spirax S4 TX
SAE Viscosity Grade			SAE J 300	10W-40
Kinematic Viscosity	@40°C	mm ² /s	ISO 3104	85
Kinematic Viscosity	@100°C	mm ² /s	ISO 3104	14.1
Viscosity Index			ISO 2909	172
Density	@15°C	kg/m ³	ISO 12185	850
Flash Point (COC)		°C	ISO 2592	220
Pour Point		°C	ISO 3016	-36

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 TX 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 <http://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.