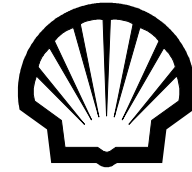


Harvella TX

High Performance Super Tractor Oil Universal



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

Applications

- **Universal performance**

Suitable for most types of diesel and gasoline agricultural engine together with tractor transmissions, hydraulic and wet brake systems.

Also suitable for many other applications around the farm including:

- ◇ oil immersed brakes
- ◇ tractor power take-offs
- ◇ hydraulics
- ◇ power steering systems
- ◇ hydrostatic transmissions
- ◇ conventional gear drive systems

Performance Features

- **Practical, convenient and multifunctional**

Harvella 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 Harvella 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 Harvella 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 Harvella 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 Harvella 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.

Performance Specifications

API Service Classifications	- CF-4/SF
	- GL-4 (Low speed, high torque requirements)
US Military	- MIL-L-2104D
CCMC	- D-4
Ford	- M2C-159B
Massey-Ferguson	- M1139
	- M1144
Mercedes Benz	- 227.1
	(Meets requirements)
New Holland	- 82009201
	(Meets requirements)
John Deere	- JDM J27
Caterpillar	- CAT TO2
ZF	- TE-ML 06

World-wide Availability

Harvella TX is available world-wide and has been fully field tested by the leading Tractor Manufacturers and given wide approval.

Typical Physical Characteristics

Harvella TX	10W-40
SAE Classification	10W-40
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71)	85 14.1
Viscosity Index (IP 226)	172
Density @ 15°C kg/l (IP 365)	0.850
Flash Point °C (Cleveland Open Cup) (IP 36)	220
Pour Point °C (IP 15)	-36

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

Biodegradable Fluid

For those applications on the farm which may call for a biodegradable hydraulic fluid please consider the use of Shell Naturelle, details of which will be supplied, on request.

Health & Safety

Harvella TX is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

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

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

Protect the environment

Take used oil to an authorised 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.