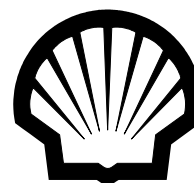


Harvella T

High Quality Super Tractor Oil Universal



Harvella T Oils are 'Super Tractor Oil Universal' (STOU) oils designed for use in a wide variety of modern agricultural equipment. They are a blend of high viscosity index base oils and an advanced additive package designed to give reliable performance in a wide range of farming applications.

Applications

- **Universal performance**
Suitable for most types of diesel and gasoline agricultural engine and tractor transmission/hydraulic systems.

Also suitable for many other applications around the farm including:
 - ◇ oil immersed brakes
 - ◇ powershift transmissions
 - ◇ hydraulics
 - ◇ power steering systems
 - ◇ hydrostatic transmissions
 - ◇ conventional gear drive systems

Performance Features

- **Practical, convenient and multifunctional**
One oil for most lubricant applications around the farm.
- **High performance**
The high performance capabilities of Harvella T can lead to an increase in the life of all mechanical components preventing metal fatigue and early wear of all working parts.
- **OEM Approved**
Formally approved by leading original equipment manufacturers for use in their agricultural machinery.
- **Excellent gear protection**
Protects against scuffing, pitting and wear of all transmissions, gears and bearings.
- **'Jerk-free' hydraulic operation**
Use of quality base oils to ensure consistent low temperature viscosity characteristics ensures smooth operation of hydraulic pumps and rams.
- **Excellent anti-corrosion properties**
Excellent protection for all working parts.

World-wide Availability

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

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	- MF M1139/M1144
Mercedes Benz	- 227.1 (Meets requirements)
New Holland	- 82009201 (Meets requirements)
John Deere	- JDM J27
Caterpillar	- CAT TO2
ZF	- TE-ML 06

Health & Safety

Harvella T 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.

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.

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

Typical Physical Characteristics

Harvella T	10W-30	15W-40
SAE Classification	10W-30	15W-40
Kinematic Viscosity @ 100°C cSt (IP 71)	10.8	14.5
Viscosity Index (IP 226)	140	135
Density @ 15°C kg/l (IP 365)	0.880	0.890
Flash Point °C (Cleveland Open Cup) (IP 36)	200	226
Pour Point °C (IP 15)	-30	-27

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

	Transmissions, including wet brakes				
	Engines	Gearbox	Back axle	Front axle	Hydraulics
Massey Ferguson (CMS-M1139,1144)	*	*	*	*	*
New Holland (82009201)	*	*	*	*	*
John Deere (J27)	*	*	*	*	*
Case International	*	+	+	+	+

- * Signifies approved or recommended when manufacturer calls for the listed specifications
- + Signifies may be entirely suitable, with full Shell support, for use in new equipment (advice from your Shell Representative should be sought due to the complex range of tractors in use and the changing status of OEM approvals)