

## HIGHTEC UTTO SAE 10W-30

High-performance, multi-functional oil (UTTO) for power-shift transmissions, gears, hydraulics and end drives with or without wet brakes in construction machinery and work machines.

### Description

HIGHTEC UTTO SAE 10W-30 is a high-performance UTTO (Universal Tractor Transmission Oil) produced using selected base oils and special additives.

### Application

HIGHTEC UTTO SAE 10W-30 is a multi-functional oil for construction and agricultural machinery as well as work machines. It is used in power-shift transmissions, splitter gearboxes, end drives and hydraulics in accordance with the manufacturer's specification.

### The quality of this product is equivalent to EU regulations

- Allison C-4
- API GL-4
- AGCO Powerfluid 821 XL
- AGCO Q-186 (Whitefarm)
- Case MS 1230, 1210, 1209, 1207, 1206, 1204
- CAT TO-2
- CNH MAT 3540, 3525, 3526, 3509, 3506, 3505
- Denison: (Pump only) HF-(0 thru 2)
- FNHA-2-C-200.00/-201.00
- Ford M2C 48 C3/M2C86-B/-C/M2C134-D
- John Deere J20C, J20D

### Additionally this product is recommended when the following filling instructions are required

- Case MS 1216
- Ford M2C 134-A/-C
- I.H.C: B5 & B-6 Hydran
- JCMAS HK P-041 & -P042
- Kubota UDT
- Massey Ferguson CMS 1145 (1135/1141/1143), MF 1127A/B
- New Holland 82948718
- NH 410B, 420A
- Sauer Sunstrand/Danfoss: Hydro Static Trans Fluid
- Sperry Vickers/Eaton: I-280-S & M2950S
- Valtra G2-08, G2-B10
- Volvo WB 101
- ZF TE-ML 03E, 05F, 06K, 17E, 21F

### Benefits

- Excellent economy grade for multi-functional use
- Excellent foaming behaviour
- High friction coefficient stability for unvarying braking performance
- Outstanding wear protection for gears and hydraulics
- Multi-functional use in power-shift transmissions, splitter gearboxes, end drives and hydraulic systems
- Good viscosity-temperature behaviour and high shear stability
- Stable lubricating film, even with hot oil and under excessive loads, and the best wear protection
- Good oxidation stability due to selected base oils and special additives
- Miscible and compatible with conventional and synthetic multi-functional oils. However, in order to exploit the full product benefits of HIGHTEC UTTO SAE 10W-30, a complete oil change is recommended.



## HIGHTEC UTTO SAE 10W-30

### Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.882
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	69,2
Kinematic viscosity KV 100	ASTM D-7042	mm²/s	11,9
Viscosity index	ASTM D-7042	-	169
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	240
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
Total base number	DIN 51639-1	mgKOH/g	8,6
Foaming behaviour at 24 °C	ASTM D 892	ml/ml	5/0
Foaming behaviour at 93.5 °C	ASTM D 892	ml/ml	0/0
Foaming behaviour at 24 °C after 93.5 °C	ASTM D 892	ml/ml	10/0

The characteristics shown are typical of current production. This data cannot be constructed as a legally binding warranty or guaranty of certain product properties or of the suitability of the product for a specific application. ROWE products are continually improved. Therefore ROWE reserves the right to change all the technical data in this product information at any time without notice. All sales and deliveries shall be subject to our current General Terms and Conditions of Sale and Terms ([www.rowe-oil.com](http://www.rowe-oil.com)).

