

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.

Equivalent quality in accordance with EU-law as per

- 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

This product is also 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

Advantages

- 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.



Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.882
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	11,9
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	69,2
Viscosity index	ASTM D2270	-	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 to 93.5°C	ASTM D 892	ml/ml	10/0

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply (www.rowe-oil.com).

