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UTTO Fluid E

SAE 10W-30

Multifunction lubricant for hydraulic controls, hydraulic and hydrostatic transmissions, differentials, final drives and axles of machines also with wet brakes/clutches.

PAKELO UTTO FLUID E SAE 10W/30 is a multifunction mineral based lubricant formulated with selected additives that guarantee to finished product great performance in **hydraulic systems, transmissions and axles** of machines also with **wet brakes/clutches**.

Furthermore the product is formulated with special **friction modifiers additives** that enable to remove the stick-slip phenomena, and thus noise ("squawk") and vibrations in applications where this phenomenon can disclose (self locking differentials and wet brakes/clutches).

PAKELO UTTO FLUID E SAE 10W/30 guarantees high performance both in transmissions, thanks to high EP (Extreme Pressure) properties, and in hydraulic systems. In this case it helps reducing sludge formation and avoiding wear, oxidation, rust and corrosion.

PAKELO UTTO FLUID E SAE 10W/30 provides the following main properties:

- excellent EP (Extreme Pressure) performance for a great protection of gears;
- high thermal-oxidative stability;
- high protection against sludge, varnish and deposits even in case of transmissions working at very high temperatures;
- great detergent/dispersant properties;
- good protection against bearing corrosion;
- high compatibility with yellow metals sometimes present both in hydraulic and hydrostatic systems;
- high anti-rust, anti-wear and anti-foam characteristics;
- very good performance in hydraulic systems and "Powershift" transmissions;
- great reduction of stick-slip phenomena in transmissions and axles with wet brakes/clutches;
- good filterability in hydraulic systems.

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Application fields

PAKELO UTTO FLUID E SAE 10W/30 is a multifunction lubricant recommended for hydraulic and hydrostatic transmissions, torque converters, "Powershift transmissions", automatic transmissions, power take offs, differentials, final drives, axles and hydraulic controls of modern industrial, agricultural and earth moving machines also with wet brakes/clutches.

For the correct choice please refer to Constructors Recommendations and ambient temperatures.

Performance levels

The additive package used has enabled, in the set Viscosity Grades, to overcome the following Specifications/Classifications: **API GL-4, Allison C4, Caterpillar TO-2, Case New Holland CNH MAT 3505/3510/3525/3526, Case MS 1204/6/7/9, Fiat Hesston AF-87, Ford FNHA-2-C-200/C201, M2CA-C, Ford M2C-41/43/48B,C/ 53A,B/77A/92A/142A/143/159A, Ford M2C86A/ B/C, Ford M2C134A/D, IHC B-5 / B-6 International Harvester, International Farmall JIC 143/145, JCMAS HK P-041/042, John Deere J14A,C / JTD 303 / J121A J20A 7 J20B / J20C / J20D, KUBOTA UDT, Massey Ferguson CMS M1135 / M1138 / M1141 / M1143 / M1145, New Holland 82948718 / NH410B, NH420A, Oliver Type 55/Type 5J/Q1802, Parker (Denison UTTO) HF-1/HF-2, Renk Doromat 87.3.874A7B, Sauer Sunstrand/Danfoss Hydrostatic Trans Fluid, Sperry Vickers/Eaton I-280-S / M2950, Steiger HTF (SEMS17001), Valtra G2-08 / G2-B10, Volvo WB 101, White Q-1705/1722/1766/1766B (UHTF)/1802/1826, White Farm (AGCO) Q-186.**

Chemical-Physical Characteristics

UTTO Fluid E	Method analysis	Unit measure	Value SAE 10W-30
Density at 15°C	ASTM D1298	kg/l	0,870
Kinematic Viscosity at 40°C	ASTM D445	cSt	70,2
Kinematic Viscosity at 100°C	ASTM D445	cSt	10,6
Viscosity Index	ASTM D2270	-	139
C.C.S. Viscosity at -25°C	ASTM D5293	cP	6550
Flash Point (C.O.C.)	ASTM D92	°C	230
Pour Point	ASTM D97	°C	-34

The data just above refer to average values and must not be understood as guaranteed characteristics.

This Technical Data Sheet has been carefully checked to guarantee complete and precise information. However, we do not take any responsibility in case of damages caused by any mistakes or omissions. Due to continual product research and development, the information contained herein is subject to change without notification.