

4702.00

Mavors ATF FE

Synthetic, fuel economy lubricant for automatic transmissions of latest generation cars with high number of gear ratios.

PAKELO MAVORS ATF FE is a high performance, high technology **synthetic** lubricant developed for automatic transmissions of latest generation cars.

It is known that modern vehicles put automatic transmission fluids under more and more severe conditions of stress and high temperatures.

The trend of improving fuel economy performance and vehicle aerodynamics has caused less airflow for transmissions, thereby increasing operating temperatures.

This, combined with reduced oil quantities in the system, results into severe thermal stress on the fluid.

This technology aims at avoiding problems caused both at low and high working temperatures and at maintaining the same performance and correct friction coefficient for longer periods.

PAKELO MAVORS ATF FE provides anti-oxidative, anti-rust, anti-corrosion and anti-foam properties. It also provides Very High Viscosity Index, very low Pour Point, high Flash Point and high chemical inertia towards rubber gaskets. The product has excellent fluency at low temperatures (Brookfield Viscosity is less than 15.000cP at -40°C) and furthermore it shows excellent resistance to oxidation and sludge formation (especially at high operating temperatures).

This means that it can be used under high thermal excursion conditions.

PAKELO MAVORS ATF FE enables to increase considerably transmissions life in extreme climatic and working conditions.

PAKELO MAVORS ATF FE provides the following main properties:

- very high thermal-oxidative resistance and excellent fluency at low temperatures;
- superior EP and anti-wear properties (even better if compared to synthetic Dexron® III Automatic Transmission Fluids);
- excellent protection from corrosion;
- excellent anti-rust and antifoam characteristics;
- great reduction of sludge and deposits thanks to high detergent and dispersant properties;
- lower viscosity if compared to traditional automatic transmission fluids: the product has to be considered as a "fuel economy" ATF providing fuel savings during functioning;
- correct friction coefficient for longer period if compared to traditional Automatic Transmission Fluids (even Dexron® III fluids); this avoids vibration phenomena and allows correct gear shifting;
- very high shear stability even under high mechanical stresses: this keeps the viscosity properties of the lubricant very close to the starting conditions;
- longer oil drain intervals also in extreme working conditions;
- compatibility with gaskets.

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Application fields

PAKELO MAVORS ATF FE is a synthetic lubricant recommended for automatic transmissions of latest generation cars with high number of gear ratios, requiring low viscosity automatic transmission fluids.

Thanks to its chemical-physical characteristics the product can also be used also in manual, hydrostatic and hydrodynamic transmissions, torque converters, steering systems, hydraulic clutches, hydraulic systems and industrial applications when required an Automatic Transmission Fluid.

PAKELO MAVORS ATF FE is also suitable for automatic transmissions requiring previous generation General Motors performance levels such as Dexron® III-H, Dexron® III-G, Dexron® II-E and Dexron® II-D.

PAKELO MAVORS ATF FE is not suitable when required Ford Type F fluid, CVT (Continuously Variable Transmission) fluids or DCT (Dual Clutch Transmission) fluids.

Performance

product **SUITABLE FOR USE** when the following performance are requested:

Aisin Warner AW-1 / JWS 3324 / NWS-9638, **Audi/Seat/Skoda/VW** G 055 005 / G 055 162 / G 055 540 / G 060 162, **BMW** 8322 0 142 516 / 8322 2 152 426, **Honda** DW-1, **Ford** Mercon® LV / Mercon® SP, **General Motors** Dexron® VI, **Hyundai/Kia** SP-IV, **Jaso** 1A LV, **MB** 236.12 / 236.14 / 236.15 / 236.16 / 236.17, **Mitsubishi** ATF-J2 / SP-IV / SPH-IV / SP-IV RR, **Nissan/Renault** Matic -S, **Opel/Saab** 93 165 147, **Toyota** WS, **ZF** 6 / 8 / 9 speed, ATF 3353, M 1375.4, M 1375.5, M 1375.6, M 1375.8, M L12108, Lifeguardfluid 6 / 6 plus / 8 / 9.

Chemical-Physical Characteristics

Mavors ATF FE	Method analysis	Unit measure	Value
Density at 15°C	ASTM D1298	kg/l	0,849
Kinematic Viscosity at 40°C	ASTM D445	cSt	29,1
Kinematic Viscosity at 100°C	ASTM D445	cSt	5,9
Viscosity Index	ASTM D2270	-	153
Brookfield Viscosity at -40°C	ASTM D2983	cP	10.800
KRL Shear Stability (Modified - 40 Hours) at 100°C	CEC L45T93	%(cSt/cSt)	< 7
Kinematic Viscosity at 100°C after KRL (40 Hours)	CEC L45T93	cSt	5,6
Flash Point (C.O.C.)	ASTM D92	°C	> 220
Pour Point	ASTM D97	°C	< -45

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.