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ATF XT III Fluid

Multipurpose synthetic lubricant for automatic transmissions, torque converters, steering systems and hydraulic clutches.

PAKELO ATF XT III FLUID is a high performance, high technology multipurpose synthetic lubricant developed for automatic transmissions and powershift transmissions.

Modern vehicles and new transmission designs place greater stress on automatic transmission fluids. 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 is aimed at avoiding problems caused both at low and high working temperatures and to maintain the same performance and correct friction coefficient for longer periods.

PAKELO ATF XT III FLUID 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 20.000cP 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 ATF XT III FLUID enables to increase considerably transmissions life in extreme climatic and working conditions.

PAKELO ATF XT III FLUID provides the following main properties:

- very high thermal-oxidative resistance and excellent fluency at low temperatures;
- superior EP and anti-wear properties for longer period if compared to traditional Automatic Transmission Fluids;
- excellent protection from corrosion;
- excellent anti-rust and antifoam characteristics;
- reduction of sludge and deposits thanks to high detergent and dispersant properties;
- correct friction coefficient for longer period if compared to traditional Automatic Transmission 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 similar to the starting conditions;
- longer oil drain intervals also in extreme working conditions;
- compatibility with gaskets.

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Application fields

PAKELO ATF XT III FLUID is a multipurpose lubricant recommended for automatic transmissions of heavy duty vehicles.

The chemical-physical characteristics of PAKELO XT III FLUID allow the product to 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 ATF XT III FLUID is also suitable for manual and automatic transmission of heavy duty vehicles requiring the following performance levels: Allison TES 295, Volvo 97341.

Performance levels

General Motors DEXRON® III-H, **Allison** C4, **Voith** H55.6335.XX (G607 Standard Drain), **MAN** 339 Type L-1 / L-2 / V-2 / Z-2, **MB** 236.9, **ZF** TE-ML 03D / 04D / 14B / 17C / 20B / 25B.

Approvals

Voith H55.6335.XX (G607 Standard Drain),
ZF TE-ML 03D / 04D / 14B / 17C / 20B / 25B (App. ZF001177).

Chemical-Physical Characteristics

ATF XT III Fluid	Method analysis	Unit measure	Value
Density at 15°C	ASTM D1298	kg/l	0,847
Kinematic Viscosity at 40°C	ASTM D445	cSt	34,9
Kinematic Viscosity at 100°C	ASTM D445	cSt	7,1
Viscosity Index	ASTM D2270	-	172
Brookfield Viscosity at -40°C	ASTM D2983	cP	11.500
KRL Shear Stability (Stage C - 20 Hour) at 100°C	CEC L45T93	%(cSt/cSt)	18,3
Kinematic Viscosity at 100°C after KRL (Stage C)	CEC L45T93	cSt	5,8
Flash Point (C.O.C.)	ASTM D92	°C	225
Pour Point	ASTM D97	°C	-46
Test FZG (A/8,3/90) Failure Load Stage	ASTM D2882	Stage	> 12

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.