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ATF XT III Fluid Plus

Multipurpose fully synthetic lubricant for automatic transmissions, torque converters, steering systems.

PAKELO ATF XT III FLUID PLUS is a high performance, high technology multipurpose fully 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 PLUS 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 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 PLUS enables to increase considerably transmissions life in extreme climatic and working conditions.

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

The product is approved ZF TE-ML 14C / 20C and can be therefore used in ZF Ecomat and in new EcoLife automatic transmissions with oil drain interval up to 120.000 km.

The product is approved VOITH H55.6336.xx and can be therefore used in VOITH DIWA automatic transmissions with oil drain interval up to 120.000 km.

The chemical-physical characteristics of PAKELO ATF XT III FLUID PLUS 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.

Performance levels

MAN 339 Type V-2, **MAN** 339 Type Z-3, **MAN** 339 Type Z-12, **MB** 236.9, **Voith** H55.6336.XX, **Volvo** 97341, **ZF** TE-ML 04D / 14C / 16M / 16S / 20C / 25C.

Approvals

ZF TE-ML 04D / 14C / 16M / 16S / 20C / 25C (App. ZF001748), **Voith** H55.6336.XX.

Chemical-Physical Characteristics

ATF XT III Fluid Plus	Method analysis	Unit measure	Value
Density at 15°C	ASTM D1298	kg/l	0,843
Kinematic Viscosity at 40°C	ASTM D445	cSt	39,0
Kinematic Viscosity at 100°C	ASTM D445	cSt	7,4
Viscosity Index	ASTM D2270	-	159
Brookfield Viscosity at -40°C	ASTM D2983	cP	15.900
KRL Shear Stability (Stage C - 20 Hour) at 100°C	CEC L45T93	%(cSt/cSt)	5,4
Kinematic Viscosity at 100°C after KRL (Stage C)	CEC L45T93	cSt	7,0
Flash Point (C.O.C.)	ASTM D92	°C	> 220
Pour Point	ASTM D97	°C	-45
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.