

MAK AUTRAN III

Premium quality automatic transmission fluid

MAK Autran III is a premium quality automatic transmission fluid. It is blended from high viscosity index hydro-finished mineral base oils and specially selected advanced additive system. Multifunctional shear-stable additives impart exceptionally high oxidation stability, low temperature fluidity along with gear protection and anticorrosion properties. Excellent viscosity control offers smooth and efficient operation with minimal power loss. MAK Autran III is highly compatible with seal materials normally specified for use in automatic transmissions.

Applications:

MAK Autran III is recommended for automatic transmission, torque converters and power steering units of latest generation passenger cars. It is suitable for heavy duty automatic transmission and power steering units of commercial vehicles, heavy trucks and earth moving equipment requiring DEXRON IIIH fluid. It can also be used in certain off-road applications as hydraulic fluid. This oil is blended to meet the stringent requirements of many on-highway automatic transmission manufacturers.

Performance/ Benefits:

Antiwear Capability – offers excellent protection against wear and enhances component life. Provides increased load carrying capability thereby reducing operating cost.

Excellent Thermo-Oxidative Stability – outstanding resistance to the effects of oxidising agents. Extends gear and bearing life due to minimal deposits and longer seal life. Ensures reliability of system, longer drain period and less maintenance.

Excellent Rust and Corrosion Protection – enhances gear system life, reduces wear and maintenance cost.

Friction Retention and Shear Stability – retains friction characteristics even after a long operating interval thus offering efficient operation of automatic transmission. Shear stability offers superior viscosity control and the product stays ‘in grade’ for a longer period and in turn the system operates almost at the designed efficiency.

Performance Level/ Specification:

- General Motors DEXRON IIIH
- Allison C-4

Typical Physico-Chemical Data: MAK Autran III

Characteristics	Method	Value
Colour	Visual	Red
Appearance	Visual	Clear and Bright
Density @15°C, g/cc	ASTM D1298	0.861
Kinematic Viscosity @40°C, cSt	ASTM D445	37.8
Kinematic Viscosity @100°C, cSt	ASTM D445	7.61
Viscosity Index	ASTM D2270	175
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1b
Flash Point, °C	ASTM D92	215
Pour Point, °C	ASTM D97	-42
Foaming Tendency	ASTM D892	
a) Sequence I		NIL/ NIL
b) Sequence II		10/ NIL
c) Sequence III		NIL/ NIL

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 5 yrs. under protected storage conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the fluid from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.