# MAK TRANSFLUID F

## Premium quality transmission fluid

MAK Transfluid F is a premium quality transmission fluid. It is blended from high viscosity index hydro-finished mineral base oils and specially selected advanced additive system. Multifunctional additives impart exceptionally high oxidation stability, low temperature fluidity, wear protection along with superior anticorrosion properties. Excellent viscosity control offers smooth and efficient operation with minimal power loss. Special friction modifying additives ensure optimum performance of wet clutch and band brakes. MAK Transfluid F is highly compatible with seal materials normally specified for use in automotive transmissions.

**Applications:**
MAK Transfluid F is recommended for transmissions requiring specific clutch and band frictional characteristics. It is also suitable for heavy duty power steering units.

**Performance/ Benefits:**
**Excellent Thermo-Oxidative Stability** – outstanding resistance to the effects of oxidising agents. Extends component life due to minimal deposits and longer seal life. Ensures reliability of system, longer drain period and less maintenance.

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

**Friction Retention and Shear Stability** – retains friction characteristics even after a long operating interval thus offering efficient operation of clutch and band brakes. 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.

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

**Outstanding Low Temperature Flowability** – maintains excellent low temperature fluidity due to low viscosity formulation and provides protection against wear and tear.

**Performance Level/ Specification:**
- Ford ESW-M2C-33F

**Typical Physico-Chemical Data: MAK Transfluid F**

| Characteristics | Method | Value |
|---|---|---|
| Colour | Visual | Brown |
| Appearance | Visual | Clear and Bright |
| Density @15$^{O}$C, g/cc | ASTM D1298 | 0.8627 |
| Kinematic Viscosity @40$^{O}$C, cSt | ASTM D445 | 35.1 |
| Kinematic Viscosity @100$^{O}$C, cSt | ASTM D445 | 7.27 |
| Viscosity Index | ASTM D2270 | 178 |
| Copper Corrosion, 100$^{O}$C, 3 hrs. | ASTM D130 | 1b |
| Flash Point, $^{O}$C | ASTM D92 | 210 |
| Pour Point, $^{O}$C | ASTM D97 | -42 |
| Foaming Tendency<br>a) Sequence I<br>b) Sequence II<br>c) Sequence III | ASTM D892 | <br>NIL/ NIL<br>10/ NIL<br>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.

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