



## Type F ATF

Phillips 66® Type F ATF is specifically designed for use in automatic transmissions in passenger cars and light trucks manufactured by Ford Motor Company prior to 1977, and in many 1977-1981 models. It also is recommended for use in many Borg-Warner automatic transmissions and older Ford power steering units, as well as in the hydrostatic drive systems and hydraulic systems on certain farm equipment.

Type F ATF is formulated to provide the proper frictional characteristics for positive shifting with little or no slippage. It has excellent oxidation resistance and thermal stability at high temperatures to minimize sludge and varnish formation, and provide long service life. It provides good wear protection, protects against rust and corrosion, and has good foam resistance. It also has good low-temperature properties for easier shifting in cold weather.

### Applications

- Service fill in all automatic transmissions and power steering units that require a fluid meeting the requirements of Ford specification ESW-M2C33-F
- Hydrostatic drive systems and hydraulic systems on certain farm equipment

*Note: Type F ATF is not recommended for use in transmissions that require any other type of automatic transmission fluid besides Type F.*

Type F ATF meets the requirements of:

- Ford ESW-M2C33-F (obsolete specification)

### Features/Benefits

- Proper frictional properties for transmissions that require a fluid with high static friction
- Excellent oxidation resistance and thermal stability
- Protects against sludge and varnish formation
- Protects against wear
- Protects against rust and corrosion
- Good low-temperature properties
- Good seal compatibility
- Good foam resistance

## Ford Type F Automatic Transmission Fluid





## Type F ATF

| Typical Properties         |             |
|----------------------------|-------------|
| Specific Gravity @ 60°F    | 0.864       |
| Density, lbs/gal @ 60°F    | 7.20        |
| Color, Visual              | Red         |
| Flash Point (COC), °C (°F) | 210 (410)   |
| Pour Point, °C (°F)        | <-40 (<-40) |
| Viscosity, Brookfield      |             |
| cP @ -18°C                 | 1,100       |
| cP @ -40°C                 | 21,300      |
| Viscosity, Kinematic       |             |
| cSt @ 40°C                 | 43.0        |
| cSt @ 100°C                | 7.6         |
| Viscosity Index            | 146         |
| Zinc, wt %                 | 0.048       |

## Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.

