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DATA BULLETIN

The First in Synthetics®

# Synthetic Manual Synchromesh Transmission Fluid

## Formulated for maximum protection in synchromesh transmissions

AMSOIL Synthetic Manual Synchromesh Transmission Fluid is a premium-quality synthetic lubricant designed to surpass the most demanding lubrication requirements of manual transmissions and transaxles where non-extreme-pressure fluids are used.

AMSOIL Synthetic Manual Synchromesh Transmission Fluid protects gears and bearings in extreme temperatures. It outperforms conventional oils and delivers outstanding performance from -40°F to 300°F, maximizes energy efficiency and resists the effects of heat, oxidation, sludge and varnish deposits.

Unlike its mineral oil counterparts, AMSOIL Synthetic Manual Synchromesh Transmission Fluid prevents the thinning effects of mechanical shear for stable viscosity, superior film strength and excellent anti-wear performance. It protects aga seals soft for long life and is compatible with bras synchromesh shift quality.

FREE CATALOG

### Ideal for Many General Motors, Chrysler, Honda and Other Vehicles

AMSOIL Synthetic Manual Synchromesh Transmission Fluid is a high-quality, lower cost replacement for multiple vehicle manufacturer-branded products. This premium synthetic formulation provides enhanced anti-wear protection and lasts longer in service. AMSOIL Synthetic Manual Synchromesh Transmission Fluid exceeds the performance requirements of manual transmissions and transaxles.

### Excellent for Service Centers

AMSOIL Synthetic Manual Synchromesh Transmission Fluid is a versatile transmission lubricant. It reduces inventory needs and is cost-effective compared to vehicle manufacturer-branded products.

### Performance Features

- Reduces friction, heat and wear
- Superior high-temperature stability
- Resists heat, oxidation, acid buildup and varnish
- Improves cold-weather shifting

Order by Phone 1-800-956-5695 - Give Operator Reference #5346621

## TYPICAL TECHNICAL PROPERTIES

### Synthetic Manual Synchromesh Transmission Fluid (MTF)

| | |
|---|---|
| Kinematic Viscosity @ 100°C, cSt (ASTM D445) | 9.7 |
| Kinematic Viscosity @ 40°C, cSt (ASTM D445) | 48.3 |
| Viscosity Index (ASTM D2270) | 190 |
| Flash Point, °C (°F) (ASTM D92) 150°C Min. | 218 (424) |
| Pour Point, °C (°F) (ASTM D97) | -46 (-51) |
| Four-Ball Wear Test Para 1 (75°C, 1200 rpm, 40kg, 1hr.) Scar, mm (ASTM D4172) | 0.40 |
| Brookfield Viscosity @ -40°C, (ASTM D2983) | 39,050 |
| Foam Stability (ASTM D892) (20/50/20) Max. | 0/0, 0/0, 0/0 |
| Copper Corrosion 3hr @ 121°C (ASTM D130) | 1A |

## APPLICATIONS

Recommended for automotive and light-truck applications that require synchromesh transmission fluid. Applications include manual transmissions and transaxles such as New Venture NV T350*, NV 1500*, NV 2550*, NV 3500*, NV 3550*, NV 5600*, and Tremec T4*, T5*, T18*, T56*, T176*, TKO500*, TKO600*, TR 3450* and TR 3550*. Replaces MTF-94 fluid for Land Rover*, MG*, and Mini Cooper*. Replaces Honda Genuine MTF fluid for manual transaxles and Texaco MTX fluid. Not for use in engines, hypoid rear axles, limited-slip or wet-clutch applications.

***Specifications include:***

**Specifications**

- GM 9985648
- GM 9986105
- GM 9985535
- Chrysler MS-9224
- Chrysler MS-9417

**Part Numbers**

- GM 12345349 or 12345577
- GM 12377916
- GM 1052931
- Chrysler 4874464
- Chrysler 4874465

## SERVICE LIFE

Recommended for 50,000-mile service intervals or longer (up to 150,000 miles) as indicated in the owner's manual.

## AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.

## HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available via the Internet at www.amsoil.com or upon request at (715) 392-7101. **Keep Out of Reach of Children.** Recycle used oil and bottle.

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