

PRODUCT SPECIFICATION



WYNN'S SYNTHETIC TRANSFER CASE/MANUAL TRANSMISSION FLUID

- Fully synthetic formula.
- For use in all transfer case (4-wheel drive) and manual transmission applications where GL-1 thru GL-4 gear oil* or ATF is specified.
- Also recommended in applications where GM P/N 12345349, Ford P/N D80Z19C547A and ESRY 19C547, Chrysler P/N 4773167 and Mercedes-Benz P/N 900260315 are specified.
- Protects gears from wear under high temperature and high load conditions.
- Maintains fluidity and stability at low temperatures.
- Provides excellent synchronizer performance in manual transmissions.
- Compatible with yellow metals such as bronze, brass and copper that are often used in manual transmission components.
- Compatible with elastomer materials used in manual transmissions.

* not for use in applications specifying GL-5 gear oil

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Part #66303

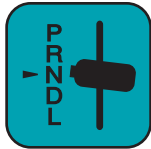
6 x 64 oz. case



Complete Automotive Maintenance Programs



WYNN'S 1050 W. FIFTH STREET / AZUSA, CA 91702
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WYNN'S SYNTHETIC TRANSFER CASE/ MANUAL TRANSMISSION FLUID

The Problem

As background, transfer cases are found on all 4-wheel drive vehicles. The transfer case connects to the transmission and to both the front and rear drive axles and generally has several operating modes, controlled by the driver. These operating modes include part-time 4-wheel drive, full-time 4-wheel drive and 4-wheel drive low.

The transfer case on a part-time 4-wheel drive system locks the front axle driveshaft to the rear axle driveshaft, forcing the wheels to turn at the same speed. Part-time systems like this should only be used in low traction situations such as off road or snow driving, in which it is relatively easy for the tires to slip. On dry pavement, it is not easy for the tires to slip, so part-time 4-wheel drive should be disengaged to avoid hard turning and extra wear on the tires and the drivetrain. Full-time 4-wheel drive systems proportion torque between the front and rear axles based on the amount of traction or slippage at the wheels and along with the differentials, allow the tires to turn at different speeds. This operating mode can be used in all driving conditions. Some transfer cases also have an additional set of gears that provide a low range for the vehicle. This low gear ration provides extra torque and very slow output speed to allow the vehicle to climb steep hills for example.

Most transfer cases require periodic fluid changes as specified by the manufacturer to maintain performance and provide maximum component life, often with different fluids recommended by different manufacturers. These varying fluid recommendations can lead to confusion as to the correct fluid to use for routine preventative maintenance. From an inventory standpoint, shops may feel they need to stock multiple fluids to satisfy the multiple fluid requirements.

In addition to the various transfer case fluid recommendations, there are also multiple fluid recommendations for manual transmissions, including ATF, motor oil and gear oil. Like transfer cases, manual transmissions require periodic fluid changes specified by the manufacturer as preventative maintenance to maintain performance and provide maximum component life. A single fluid meeting the performance requirement of the various fluids in manual transmission applications would greatly simplify product recommendations and inventory requirements.



Transfer Case

The Solution

Wynn's Synthetic Transfer Case/Manual Transmission Fluid contains an advanced formula that is specifically designed for transfer case use and is suitable for all 4-wheel-drive vehicles, including those specifying ATF, gear oil and many OEM specific fluids. It is also suitable for use in synchronized manual transmissions, including those specifying ATF, gear oil and many OEM specific fluids. Both transfer case and manual transmission applications will benefit from the following performance features:

- Gear protection under high temperature and load conditions
- Fully synthetic fluid for maximum performance and life
- Oxidation resistance
- Low temperature stability
- Outstanding shift quality performance

Wynn's Synthetic Transfer Case/Manual Transmission Fluid can be used wherever API GL-1 through GL-4 gear oil or ATF (e.g. GM DEXRON® or FORD MERCON®) for gear protection is recommended. It can also be used where GM P/N 12345349 (specification 9985648), Ford P/N D80Z19C547A, P/N ESR9 19C547, Chrysler P/N 4773167 (specification MS 9417) and Mercedes-Benz P/N 900260315 are specified. This fluid is compatible with all elastomer materials used in manual transmissions. It is not however, recommended for use where a vehicle manufacturer specifies GL-5 gear oil.

Wynn's Transfer Case/Manual Transmission Fluid is designed to be used in conjunction with the Wynn's DiffServ™ Machine. This machine contains service hoses and pumps to both evacuate the used fluid from the transfer case or manual transmission and refill with new fluid. Always refer to your automotive instruction manual for transfer case and manual transmission capacity and add the product accordingly.

Wynn's Synthetic Transfer Case/Manual Transmission Fluid is the perfect answer to the problem of which fluid should be used for the various transfer case and manual transmission fluid applications. This is truly a one product for nearly all transfer case and manual transmission applications. In addition, the Wynn's DiffServ™ Machine provides an easy, fast and reliable method for removing the old fluid and refilling with new fluid. Once again, Wynn's provides the perfect solution to a sometimes confusing and time-consuming service.



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