



PRODUCT BULLETIN

MANUAL GEARBOX AND DIFF TREATMENT

Nulon G70 with PTFE offers maximum lubrication and anti-wear protection to the gear and bearing surfaces of all types of gears (helical, spur and worm drive). Nulon G70 combines a balanced blend of Polytetrafluoroethylene (PTFE) with other extreme pressure and anti-corrosion compounds. Nulon G70 is suitable for use with all synchromesh rings and limited slip differentials.

The PTFE particles in Nulon G70 range from .4 to 40 microns. The smaller particles, when subjected to pressure and temperature, impregnate the friction surfaces thus reducing friction and offering residual lubrication and corrosion resistance even during lay-up periods. The larger PTFE particles circulate with the normal gear lubricant and create a cushion between gear surfaces, dramatically reducing gear pitting. This cushioning effect is important in that it reduces noise caused by minor irregularities of mating surfaces which are responsible for the very common "period noise" experienced in differentials.

Many modern gearboxes suffer from poor gear shifting when the gearbox is cold. As a result a number of manufacturers are recommending a lighter grade of oil, and in some cases automatic transmission fluid. These lighter grade oils provide superior gear changing at the expense of reduced life of gears and bearings, because the lower viscosity oil does not have the degree of EP (extreme pressure) protection. Nulon G70, due to its EP characteristics, will greatly improve protection as well as dramatically improve gear changes.

Note: G70 is suitable for all gearboxes including passenger cars, trucks and industrial gearboxes.

G70 is also compatible with, and suitable for use with, automatic transmission fluid and engine oils, where they are the manufacturer's recommended lubricant for manual gearboxes.

Benefits:

- Reduced friction and wear
- Smoother gear changes
- Quieter operation
- Extended component life
- Reduced oil leaks
- Improved extreme pressure protection
- Residual lubrication during lay-up periods
- Corrosion protection
- Reduced operating temperature



- Reduced energy consumption in industrial gearboxes

Directions for Use:

Simply add required amount of G70 (according to application rate chart) to the gearbox or differential. Repeat application with each oil change.

Application Rates:

- Up to 8 litres (8 quarts) oil - Add 125 ml (4.23 US fl oz) per 2 litres (2 quarts)
- Over 8 litres (8 quarts) oil - Add 500 ml (17 US fl oz) + 3% by volume thereafter.

Warning:

Do not use G70 in automatic transmissions.

Note: Nulon G70 is suitable for use in Laycock overdrive units as used in MGs and Triumphs.

Packaging:

- 125 ml (4.23 US fl oz) tube (20 units per carton)
Part No. G70
- 250 ml (8.45 US fl oz) tube (12 units per carton)
Part No. G70-250

Typical Properties:

Tests	ASTM	Nulon G70
Colour		Cream
Flash point, COC, °C	D92	182
Foam characteristics	D892	Nil
Viscosity @ 40°C, cSt	D445	953.52
Viscosity @ 100°C, cSt	D445	162.22
Viscosity index	D2270	574
Density K/l	D1298	0.9825
Pour point °C	D97	-18
Melt point of PTFE °C	D1457	>325