



HYPROID 80W-90

Premium extreme pressure automotive gear oil, manufactured using highly refined mineral oils, advanced viscosity index improver and an additive chemistry that uses clean gear technology for better performance and component life.

Application

Designed for use in transmissions, transfer cases, final drives and differentials of passenger cars, light commercials, 4WDs and on- and off- highway trucks and construction equipment. For limited slip differentials, use Penrite Limslip 90.

Gearboxes – Light

Alfa (pre 1991)
Buick
Ford Spectron
Kia 4WDs
Leyland Marina (4cyl)

Gearboxes – Heavy Duty

Clark 5 speed
CUK/New Process
Dana Spicer
Isuzu
Mack
Scania

Differentials- Light

BMW (not limited slip)
Buick
Chevrolet
Chrysler (pre 1980)
Daihatsu
Fiat
Ford Cortina, Escort, Capri I,
Ford Falcon (pre 1994, standard)
Ford Light Commercials
Kia 4WDs
Land Rover Discovery, Defender
Land Rover Freelander
Leyland Mini, Marina, P76

Mazda
Mercedes Benz
Mitsubishi
Nissan
Range Rover
Rover (1968-87)
Ssangyong
Subaru
Toyota (not Lexcen)
Triumph
Valiant
Volvo

Differentials – Heavy Duty

Bedford
DAF
Hino
Isuzu
Leyland Terrier, Boxer, Mastiff
MAN
Mercedes Benz

Customer Benefits

- Superior thermal stability, maintaining cleanliness of critical parts thus extending the life of the components by reducing abrasive wear.
- Longer drain intervals by resisting high temperature degradation.
- Superior protection against scoring and spalling wear which can occur under repeated shock load conditions.
- Compatible with copper alloy components and protects against corrosion.
- Mack Approved.

Industry Specifications

API GL-5/PG-2	MIL-L-PRF-2105E/2105D
API MT-1	Mack GO-J (approved)
Rockwell O-76D	International B-22
Ford M2C-105A/M2C-1013A	SAE J2360
GM HNI 181, HNI 386	BTR 5M-36
Chrysler MS-9020	White MS-0016
Ford ESW-M2C108A, WSP-M2C197A	

Typical Properties

Density at 15°C, kg/L	0.902
Viscosity, Kinematic, cSt	
at 40°C	142
at 100°C	14.6
Viscosity Index	109
Viscosity, Brookfield, cP @ -26°C	129,200
Pour Point, °C	-21
Copper Corrosion Test	1b
Phosphorus, mass %	0.065

Environment, Health and Safety