



# Product Information

## LIMSLIP 90, 85W-140 AND 140

Premium extreme pressure automotive gear oils meeting the requirements of API GL-5, obsolete GL-6 and the proposed PG-2 category.

### APPLICATION

Designed for use in limited slip (or spin resistant) rear axles on passenger cars, light commercials, 4WDs and on- and off- highway truck and construction equipment.

- Penrite Limslip 90 is also suitable for use in conventional hypoid rear axles.

For consistent high temperature or extreme high load operation such as heavy towing, Penrite 10 Tenths Synthetic Gear Oil 75W-90 or SIN Gear Oil 75 should be used.

- Penrite Limslip 85W-140 is also suitable for use in conventional hypoid rear axles.

Penrite Limslip 140 is particularly recommended in higher ambient conditions, or for quietening noisy differentials where the noise is due to wear, thus prolonging the life of the unit before rebuild is required.

Penrite Limslip 140 is also suitable for use in conventional hypoid rear axles.

For consistent high temperature or extreme high load operation such as heavy towing, Penrite 10 Tenths Synthetic Gear Oil 80W-140/SIN Gear Oil 80 should be used

### CUSTOMER BENEFITS

- Superior thermal stability, maintaining cleanliness of critical parts thus extending the life of the components.
- Superior protection against scoring and spalling wear which can occur under repeated shock load conditions.
- Quiet, shudder free operation due to use of selected friction modifiers.

### INDUSTRY SPECIFICATIONS

MIL-L-PRF-2105E  
API GL-5/GL-6/MT-1/PG-2 Mack GO-J  
Ford ESW-FM2C-1006-B, M2C-105A, M2C-104A  
BTR 5M -31 Holden HN 1561, 1187, 1386  
ZF TE-ML05

## Typical Properties

	90	85W-140	140
Density at 15°C, kg/L	0.905	0.913	0.910
Viscosity, Kinematic, cSt			
at 40°C	154	423	481
at 100°C	15.4	28.8	31.0
Viscosity Index	101	95	92
Viscosity, Brookfield, cP at -26°C	116,000	NA	NA
Viscosity, Brookfield, cP @ -12°C	NA	57,100	291,600
Pour Point, °C	-27	-12	-9
Colour	Blue	Blue	Blue
Phosphorus, mass %	0.117	0.117	0.117

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### ENVIRONMENT, HEALTH AND SAFETY

Information is available by request on this product in the Penrite Material Safety Data Sheet. Information in this sheet is based on the most current information available. Minor variations to typical properties not affecting the performance of the product are to be expected in normal manufacture. **Issued September 2005**