

GEAR SYN 75W90 & 75W140

Fully synthetic gear oils with high tech sulphur-phosphorus extreme pressure (EP) additives, which offer excellent high temperature and high load performance combined with very good low temperature fluidity properties.

They are designed to meet the severe lubrication requirements of modern car and truck axles and gears, even after the high mechanical shearing encountered in hypoid and other severe automotive gear applications.

Recommended for the lubrication of differentials (including limited slip), final drives, manual transmissions, transfer cases and other gear applications where lubricants meeting MIL-L-2105D, API GL-5, MT-1 and the latest MIL-PRF-2105E or Multipurpose EP type are recommended by the equipment builder.

Gear Syn 75W90 is suitable for use where low viscosity 75W, 75W80 and 75W85 are required.

Meets the following performance requirements:

- API GL5/PG-2
- API MT-1
- SAE J2360
- Limited Slip Differentials (LSD)
- Arvin Meritor
- DAF
- IVECO
- MACK GO-J
- MAN 342 M-2
- Renault
- Scania STO 1:0
- MIL-L-2105 D
- MIL-PRF-2105E
- ZF TE-ML 05A, 07A, 08, 12E, 16B, 16C, 16D, 17B, 19B, 21A

APPLICATIONS - BENEFITS

- Improved fuel economy
- Proven gear protection in low and high speed conditions.
- Superior sulphur phosphorus additives
- Whilst fully compatible with mineral gear oils, advantages increase with total replacement of these.
- Extended drain intervals.
- More stable performance compared to conventional mineral gear oils.

TYPICAL CHARACTERISTICS

Properties	ASTM	Value	Value
SAE Grade		75W90	75W140
Appearance	Visual	Amber	Amber
Viscosity cst @ 40°C	D445	83	176
Viscosity cst @ 100°C	D445	14.5	27.1
Viscosity Index	D2270	183	192
Density kg/Lt @ 15°C	D1298	0.868	0.878
Flash Point, PM Closed, °C	D92	205	210
Pour Point, °C	D97	-30	-30
Total Acid Number	D974	4.5	4.7
Sulphated Ash % mass	D482	<0.01	<0.01
Sulphur % mass	D129	2.26	2.26
Phosphorous % mass	D1091	0.24	0.24
Nitrogen % mass	Kjeldahl	0.106	0.106
Boron % mass	Proprietary	0.028	0.028
Timken OK Load Kg	D2782	70	70
Four Ball, Wear Scar Dia, mm	D2266	0.28	0.28
FZG Pass Stages	FZG	12	12

Package Sizes
1000 litre
205 litre
20 litre
5 litre

The information contained herein is accurate at the time of this review. However specifications change from time to time. Ensure specifications meet equipment manufacture requirements.