

OIL TECH

The Lubrication Specialists

TECHNICAL DATA SHEET

GEAR SYN 75W/90 & 75W/140

PRODUCT DESCRIPTION

Fully synthetic gear/limited slip oils with 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, 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.

Meets the following performance requirements:

- API GL5/PG-2
- SAE J2360
- MT-1
- Limited Slip
- MACK GO-J/S
- MIL-L-2105 D
- MIL-PRF-2105E

APPLICATIONS

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

GEAR SYN 75W/90 & 75W/140 (Cont)

TYPICAL CHARACTERISTICS

Properties	ASTM	Value	Value
SAE Grade		75W90	75w140
Appearance	Visual	Amber	Amber
Viscosity cst @ 40°C	D445	86	176
Viscosity cst @ 100°C	D445	14.5	27.1
Viscosity Index	D2270	177	192
Density kg/Lt @ 15°C	D1298	0.868	0.878
Flash Point PM Closed, °C	D92	200	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