



SAE 320 TRANSMISSION

Technical Data Sheet



PACKAGING:

20L, 25L, 60L, 208L

DESCRIPTION:

TRANS GEAR OIL INDUSTRIAL 320 is a high-performance extreme-pressure industrial gear lubricant formulated for the protection of heavily loaded enclosed gear systems. It provides excellent load-carrying capacity, anti-wear protection, thermal and oxidation stability, rust and corrosion protection, and reliable performance under shock loads and severe operating conditions. Gear Oil ISO 320 premium quality oils manufactured from high quality base stocks fortified with extreme pressure additives, antifoam, antirust and antioxidation agents, thereby they have excellent oxidation resistance and thermal stability.

BENEFITS:

- Protects gears under heavy loads and shock conditions.
- Minimizes wear and extends gear and bearing life.
- Helps protect gears and components against rust and corrosion.
- Helps minimize component wear, downtime, and maintenance costs.
- Provides consistent lubrication and helps prevent excessive foaming.

SPECIFICATIONS:

Recommended Performance Level: ISO VG: 220,
DIN 51517-3 CLP / ISO 12925-1 CKC/CKD / AGMA 9005-F16
AIST (US Steel): 224, David Brown: S1.53.101;
FZG Fail Load Stage: > 12; JIS K 2219:2006 Class 2

TYPICAL PROPERTIES:

TEST	UNITS	STANDARDS	220	320
Density @15°C	kg/m ³	ISO 3675	894	901
Viscosity @40°C	mm ² /s	ISO 3104	220	320
Viscosity @100°C	mm ² /s	ISO 3104	20	23
Viscosity Index	-	ISO 2909	97	97
Flash Point	°C	ISO 2592	>220	>220
Pour Point	°C	ISO 3016	>-12	>-12

APPLICATION:

Industrial gearboxes, spur gears, helical gears, bevel gears, enclosed reduction gears, bearings and circulating/splash lubrication systems.