



Gear Oil XD

Conoco® Gear Oil XD is a high-quality, extreme-pressure (EP) industrial gear oil developed for use in enclosed gearboxes operating under severe-service conditions.

Gear Oil XD is available in two viscosity grades: ISO 680 and 1000 (AGMA 8 EP and 8A EP). It is formulated to provide extreme-pressure and antiwear properties, protection against rust and corrosion, and resistance to foaming. It has excellent lubricity and high load-carrying capacity for protection against scuffing and wear in gearboxes subject to high peak loads or intermittent shock loads.

Applications

- Enclosed gears on heavy-duty construction, excavation and mining equipment
- Enclosed industrial gears operating in severe service, such as in steel mills
- Gear reducers and pinion stands on metal rolling mills, ball mills and cement mills
- Chain drives and conveyor drives
- Hoists

Gear Oil XD meets the performance requirements of:

- AGMA Standard 9005-E02 (formerly 250.04)
- U.S. Steel 224

Features/Benefits

- High load-carrying capacity for protection against scuffing and wear
- Good oxidation resistance and thermal stability
- Excellent lubricity and high film strength
- Protects against rust and corrosion
- Good foam resistance

**Severe-Duty,
Extreme-Pressure
Gear Oil For
Enclosed
Gearboxes**

**U.S. Technical
Services Hot Line:
1-800-255-9556**

**U.S. Customer
Service:
1-800-640-1956**

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+1-832-486-3363**

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Gear Oil XD

Typical Properties

ISO Grade	680	1000
AGMA Grade	8 EP	8A EP
Specific Gravity @ 60°F	0.915	0.916
Density, lbs/gal @ 60°F	7.63	7.64
Color, Visual	Dark Amber	Dark Amber
Flash Point (COC), °C (°F)	238 (460)	232 (450)
Pour Point, °C (°F)	-9 (16)	-5 (23)
Viscosity,		
cSt @ 40°C	680	1,000
cSt @ 100°C	36.4	45.4
SUS @ 100°F	3,691	5,477
SUS @ 210°F	178	221
Viscosity Index	87	85
Acid Number, ASTM D974, mg KOH/g	0.47	0.47
Four-Ball EP, ASTM D2783, Weld Load, kgf	315	315
Four-Ball Wear, ASTM D4172, Scar Diameter, mm	0.38	0.38
FZG Gear Test, ASTM D5182, Failure Load Stage	>12	>12
Timken OK Load, ASTM D2782, lb	80	80

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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