



# EP Series



## EXTREME-PRESSURE GEAR OIL

## Data Sheet

AMSOIL Industrial **EP Series** Extreme-Pressure Gear Oil is engineered to protect gear drive systems during extreme loading or shock conditions, including enclosed, circulating and splash-lubricated applications. **EP Series COMP** is a compounded lubricant with special lubricity additives that provide the necessary film strength to overcome sliding tooth action that can force the lubricant out of the gear mesh.

### Product Benefits

- Superior extreme-pressure load-carrying properties to reduce wear.
- Excellent oxidative stability reduces varnish, sludge and deposits.
- Low foaming properties to maintain a robust lubricating film.
- Outstanding water separation ensures proper lubrication at the gear-tooth interface.
- Inhibits rust and corrosion to maximize equipment life.

### Applications\*

Use AMSOIL Industrial **EP Series** in applications that require extreme-pressure protection due to shock impact or extreme loading and any of the specifications listed below, including slow-speed bearings; spur, bevel, herringbone and helical gears. AMSOIL Industrial **EP Series COMP** is excellent for worm gears. Consult an AMSOIL Industrial Application Engineer to identify the best solutions for your specific applications.

- AGMA 9005-E02
- AIST (U.S. Steel) 224
- DIN 51517-3 (CLP)
- Fives Cincinnati (Machine/Milacron/MAG/Lamb)

### Typical Technical Properties\*\*

AMSOIL Industrial **EP Series** Extreme-Pressure Gear Oil

Test	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680	7 COMP	8 COMP	8A COMP
Stock Code	424001	424005	424010	424015	424020	424025	424030	424035	424045	424040
AGMA Viscosity Grade	2EP	3EP	4EP	5EP	6EP	7EP	8EP	7COMP	8COMP	8ACOMP
Fives Cincinnati	P-63	P-26	P-77	P-74	P-59	P-35	—	—	—	P-78
Viscosity Index	97	98	99	100	100	99	84	98	82	123
Viscosity, 40°C, cSt	69	102	153	221	322	454	660	422	640	1004
Viscosity, 100°C, cSt	8.7	12	15	20	25	31	36	31	35	64
Specific Gravity, 60°F	0.878	0.882	0.886	0.891	0.894	0.899	0.913	0.902	0.918	0.922
API Gravity	29.8	29.0	28.3	27.4	26.7	25.9	23.4	25.4	22.7	22.0
Flash Point, °C (°F) (COC)	193 (380)	207 (405)	227 (440)	227 (440)	249 (480)	266 (510)	277 (530)	266 (510)	299 (570)	279 (535)
Pour Point, °C (°F)	-12 (10)	-9 (16)	-9 (16)	-7 (19)	-7 (19)	-7 (19)	-1 (30)	-7 (19)	-1 (30)	2 (36)
Timken OK Load, lbs	70	70	70	70	70	70	70	—	—	—
FZG Load Stage	12	12	12	12	12	12	12	—	—	—
Copper Corrosion, 100°C, 3 hr	1b	1b	1b	1b	1b	1b	1b	1b	1b	1b

### Health & Safety Information

For recommendations on safe handling and use, refer to the Safety Data Sheet (SDS) available at [AMSOILIndustrial.com](http://AMSOILIndustrial.com) or upon request at [IndustrialSalesGroup@amsoil.com](mailto:IndustrialSalesGroup@amsoil.com) or (715) 399-6305.

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*\*\*Technical properties are general characteristics of the product and not manufacturing specifications. Variations that do not affect product performance should be expected. Product formulations are subject to change without notice. Customers are responsible for determining product suitability for use with their equipment.*