



Meropa[®]

Extreme Pressure Industrial Gear Oil

High performance, mild EP, industrial gear lubricant formulated with a sulfur-phosphorus additive system, which also provides rust and oxidation inhibition, a corrosion and oxidation inhibitor and a metal passivator. Designed primarily for industrial gear lubrication services where loads and shock loadings are high.

APPLICATIONS

- Enclosed industrial gear drives
- Open gear drives (heavy grades)
- Spur, bevel, helical, worm and industrial hypoid gear cases
- Industrial type reduction gearboxes on mining equipment, cement mills, ball and rolling mills, crushers, conveyors, kilns, winches, machine tools and marine equipment
- Chain drives, sprockets, slide guides and flexible couplings
- Plain and rolling element bearings
- For bath, splash, circulation or spray lubrication, as applicable to the grade

PERFORMANCE STANDARDS

- ANSI/AGMA 9005-D94 [EP] (Grades 68 to 320)
- U.S. Steel 224 (Grades 68 to 320)
- David Brown, Table E, approved (Grades 68 to 680)
- DIN 51517 Part 3 (Grades 68 to 680)

KEY PROPERTIES

ISO Grade	68	100	150	220	320	460	680	1000	1500	3200*
AGMA Lubricant No.	2EP	3EP	4EP	5EP	6EP	7EP	8EP	8AEP	9EP	10EP
David Brown Grade	2E	3E	4E	5E	6E	7E	8E	-	-	-
FZG Load Stage	12	12	12	12	12	12	12	12	12	12
Pour Point, °C	-15	-15	-15	-15	-15	-15	-12	-3	-3	0
Timken OK Load, kg	31.8	31.8	31.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0
Viscosity,										
mm ² /s @ 40°C	65.0	95.5	143	210	306	439	650	955	1430	3050
mm ² /s @ 100°C	8.5	11.0	14.5	18.6	23.7	29.8	36.5	44.0	54.0	-
Viscosity Index	101	100	99	98	97	96	91	85	80	-

0107

* 3200 is not a grade covered by the ISO grading system

BENEFITS

- ★ Maintains gear set efficiencies
High thermal stability EP system maintains clean gear and bearing surfaces, minimizing deposits which interfere with effective lubrication. High oxidation stability limits in-service viscosity increases, which lead to energy losses.
- ★ Extends equipment life
Extremely effective EP system forms a protective film in areas of metal-to-metal contact, minimizing wear rates and maintaining efficient transfer of power. Good water separation and effective rust inhibitors protect surfaces against rust and corrosion. High thermal stability additive system reduces the formation of high temperature compounds which can be corrosive to bearing materials. The effective corrosion inhibitor provides additional protection for metal components.
- ★ Long oil life
Effective oxidation inhibitors and copper passivator minimize oil oxidation, limiting viscosity increase and extending oil drain intervals.

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Caltex Material Safety Data Sheet (MSDS) and Caltex Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit www.caltexoils.com.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

