



Meropa oils are high performance, mild EP, industrial gear lubricants formulated with a sulfur-phosphorus additive system, which also imparts 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.

### BENEFITS

- Maintains gear set efficiencies**

High thermal stability EP system maintains clean gear and bearing surfaces, minimising deposits which interfere with effective lubrication. High oxidation stability limits in-service viscosity increases, which lead to energy losses.
- Extends equipment life**

Effective EP system forms a protective film in areas of metal-to-metal contact, minimising 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 minimise oil oxidation, limiting viscosity increase and extending oil drain intervals.

### PERFORMANCE STANDARDS

ANSI/AGMA 9005-EO2 EP (Grades 68 to 320)
U.S. Steel 224 (Grades 68 to 320)
David Brown, Table E, approved (Grades 68 to 1000)
DIN 51517 Part 3 CLP (Grades 68 to 680)



### TYPICAL CHARACTERISTICS

Product Code	1234	1227	1229	1230	1231	1233	1235	1228	2702
ISO Grade	68	100	150	220	320	460	680	1000	4000
(Former) AGMA Lubricant No.	2EP	3EP	4EP	5EP	6EP	7EP	8EP	8AEP	
David Brown Grade	2E	3E	4E	5E	6E	7E	8E	9E	
Flash Point, °C	200	215	215	215	215	215	285	285	285
FZG Load Stage	12	12	12	12	12	12	12	12	-
Pour Point, °C	-15	-15	-15	-15	-15	-15	-12	-3	-6
Timken OK Load, kg	31.8	31.8	31.8	34.0	34.0	34.0	34.0	34.0	-
Viscosity, cSt at 40°C cSt at 100°C	68.0 8.8	100 11.4	150 14.9	220 19.2	320 24.3	439 29.8	650 36.5	955 44.0	3940 108
Viscosity Index	101	100	99	98	97	96	91	85	85

### PACK SIZES

ISO Grade	68	100	150	220	320	460	680	1000	4000
1000L	✓	✓	✓	✓	✓	✓	✓		
205L	✓	✓	✓	✓	✓	✓	✓	✓	✓
20L	✓	✓	✓	✓	✓	✓		✓	

### ENVIRONMENT, HEALTH AND SAFETY

Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

### OTHER INFORMATION

For further information on Caltex products and services call the Technical Solutions on 1300 364 169.

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