TEXACO MEROPA®

68, 100, 150, 220, 320, 460, 680, 1000, 1500, 3200

CUSTOMER BENEFITS

Texaco Meropa oils deliver value through:

- **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.
- **Extended 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.

FEATURES

Texaco Meropa oils are high performance, multipurpose gear lubricants designed for industrial gear lubrication services where loads and shock loadings are high.

When used in misting systems, Texaco Meropa provides excellent oxidation stability to prevent oil mist deposits. They will form a high volume of mist droplets for transmission to the point of application. Texaco Meropa oils have minimal stray mist (fog).

APPLICATIONS

Texaco Meropa oils are recommended for:

- all industrial enclosed gearing and wherever an AGMA extreme pressure lubricant is specified
- all mist oil application systems
- general industrial plant lubrication where the performance properties of this type of lubricant are required

Texaco Meropa meet the requirements of:

- **U.S. Steel** 224 (ISO 68, 100, 150, 220, 320, 460, 680)
- **AGMA** 9005 (ISO 68, 100, 150, 220, 320, 460, 680, 1000, 1500)
- **Cincinnati Machine** P-63 (ISO 68), P-76 (ISO 100), P-77 (ISO 150), P-74 (ISO 220), P-59 (ISO 320), P-35 (ISO 460), P-78 (ISO 1000)

Texaco Meropa oils (ISO 68, 100, 150, 220, 320, 460) are suitable for use in **Bijur** oil application equipment.

For customers wishing to extend drain intervals and further reduce gear wear, and where water contamination is minimal, Texaco Meropa oils are recommended. Texaco Meropa oils can be used in industrial applications where overloading, severe operating conditions, high lubricant operating temperatures, or other problems are encountered. Texaco Meropa oils have been shown to reduce operating temperatures, power consumption/energy requirements, and failure rates in industrial operating environments.

30 June 2006
GL-2240

TYPICAL TEST DATA

ISO Grade	68	100	150	220	320
Product Number	*222319*	*222601*	*222320*	*222321*	*222324*
MSDS Number	*8642*	*8642*	*8642*	*8642*	*8642*
AGMA Grade	2 EP	3 EP	4 EP	5 EP	6 EP
API Gravity	31.0	30.6	29.7	28.4	27.3
Viscosity, Kinematic cSt at 40°C cSt at 100°C	 64.6 8.6	 95.0 11.0	 142 14.4	 209 18.8	 304 23.2
Viscosity, Saybolt SUS at 100°F SUS at 210°F	 334 55	 495 64	 744 77	 1102 96	 1618 116
Viscosity Index	104	100	100	100	95
Flash Point,°C(°F)	225(437)	225(437)	240(464)	245(473)	245(473)
Pour Point,°C(°F)	-33(-27)	-30(-22)	-30(-22)	-21(-5)	-18(0)
Timken OK Load, lb	65	65	65	65	65
FZG Pass Stage, ASTM D 5182	12	12	12	12	12

ISO Grade	460	680	1000	1500	3200
Product Number	*222325*	*222342*	*222343*	*222344*	*222349*
MSDS Number	*8642*	*8642*	*8642*	*8642*	*16815*
AGMA Grade	7 EP	8 EP	8A EP	9 EP	10
API Gravity	26.3	26.0	25.9	25.7	25.3
Viscosity, Kinematic cSt at 40°C cSt at 100°C	 437 29.4	 646 39.8	 950 53.9	 1425 74.0	 3200 84.2
Viscosity, Saybolt SUS at 100°F SUS at 210°F	 2341 144	 3467 194	 5115 262	 7699 359	 18,040 411
Viscosity Index	95	100	107	114	77
Flash Point,°C(°F)	245(473)	260(500)	260(500)	260(500)	141(286)
Pour Point,°C(°F)	-15(+5)	-12(+10)	-12(+10)	-12(+10)	0(+18)
Timken OK Load, lb	65	65	65	65	65
FZG Pass Stage, ASTM D 5182	12	> 12	> 12	> 12	> 12

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.