

ENDUROGEAR SP 680

PRODUCT DESCRIPTION

Endurogear SP 680 Industrial Gear Oil is an extreme pressure gear lubricant designed to operate over a wide range of temperatures and conditions. The fluid possesses excellent high temperature oxidation stability and superior low temperature fluidity. Endurogear SP 680 Industrial Gear Oil rapidly separates water preventing the formation of anti-lubricating emulsions. The product incorporates special additives that protect equipment from rust, corrosion, and foaming. In addition, extreme pressure additives provide optimum protection against shock loading in high load carrying conditions. Endurogear SP 680 Industrial Gear Oil is suitable for use in virtually all types of industrial settings. Typical applications include gear sets and oil circulating systems in steel mills, foundries, glass and bottle manufacturing plants, injection moulding machines, paper mills and electrical wheel motors used in surface mining and quarries, shearing arms in underground coal mining, cement kilns, petroleum, and chemical processing plants.

APPLICATIONS & BENEFITS

- Extreme Pressure additives provide optimum protection for equipment under severe shock loading.
- Special additives provide thermal and oxidation stability.
- Reduced foaming ensures all parts remain in contact with the lubricating fluid.
- Rapid water separation reduces the formation of harmful emulsions.

PACK SIZES AVAILABLE

5L - 20L - 200L

SPECIFICATIONS

- ANSI/AGMA 9005-E02[EP]
- U.S. Steel 224
- AGMA 250.04[EP]
- AGMA 251.02[EP]
- David Brown Table E approved

TYPICAL CHARACTERISTICS

ENDUROGEAR SP 680	UNITS	VALUES
VISCOSITY	cSt @ 40°C	634.4
	cSt @ 100°C	40.12
SPECIFIC GRAVITY	@ 15°C	0.889
VISCOSITY INDEX		103
POUR POINT	°C	-15
FLASH POINT	°C	277
Timken OK Load, kg		27
FZG pass stages		12

ADDITIONAL INFORMATION

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.