



TM

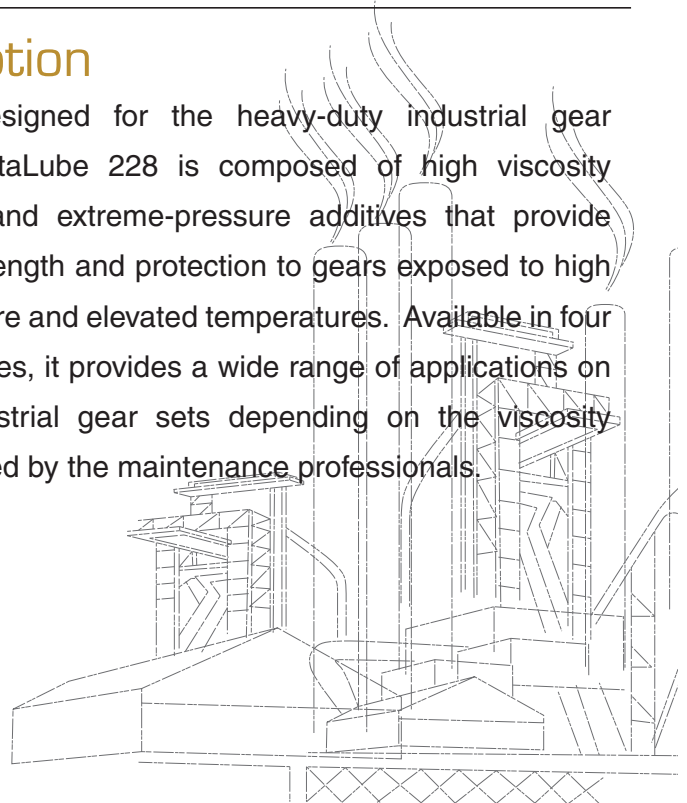
A New Lubricity Dimension  
Evolved From Experience



# ZetaLube 228 Extreme Pressure Gear Oil

## Description

Specially designed for the heavy-duty industrial gear systems, ZetaLube 228 is composed of high viscosity mineral oil and extreme-pressure additives that provide extra film strength and protection to gears exposed to high load / pressure and elevated temperatures. Available in four ISO VG grades, it provides a wide range of applications on various industrial gear sets depending on the viscosity grade required by the maintenance professionals.



**MAGNA INDUSTRIAL CO. LIMITED**  
— Total Quality Maintenance —

[www.magnagroup.com](http://www.magnagroup.com)

Magna Industrial reserves the right to modify or change this product for purpose of improving its performance characteristics ©2007 Magna Industrial Co. Limited .

The ZetaLube trade mark is the property of ITW, Inc. and is used under licence by Magna Industrial Co. Limited



## Features and Benefits

- Provides excellent film strength to resist friction and wear – protects gear sets from mal-functioning or misalignment due to metal-to-metal frictional wears and reduces numbers of unexpected downtime.
- Excellent oxidation stability and corrosion protection to prevent gear systems from unscheduled breakdown due to excessive carbon deposits and corrosive wears.
- Carefully balanced and calculated proportion of foam suppressant to prevent gear action from aerating.
- Up to four different viscosity grades available for applications on a wide variety of gear sets.

## Recommended Applications

- For lubrication of all types of industrial gears such as spur gears, helical gears, straight & spiral bevel gears, etc.
- For gear systems demanding the following requirements:
  - US steel
  - AGMA 250.04
  - DIN 51517
  - David Brown DB S1.53.101
  - Cincinnati Milacron
- Also suitable for gearbox containing bronze and copper alloy components.

## Typical Data

TEST	ASTM TEST METHOD	ISO VG 150	ISO VG 220	ISO VG 320	ISO VG 460
Density, kg/L @ 15°C	D-1298	0.891	0.898	0.901	0.908
Viscosity, cSt @ 40°C @ 100°C	D-445	150	220	320	460
	D-445	14.8	19	24.1	30
Viscosity Index	D-2270	98	97	96	96
Flash Point, COC, C(°F)	D-92	265(509)	267(512)	273(523)	274(525)
Pour Point C(°F)	D-97	-10(14)	-9(16)	-9(16)	-6(21)
Copper Strip Corrosion 3 hours @ 100°C	D-130	1b	1b	1b	1b
Foaming Characteristics All Sequences, After Settling	D-892	Nil	Nil	Nil	Nil

The data shown are typical value and may vary.

## Pack-size

205 Litre Metal Drum & 20 Litre Plastic Container

Authorized Distributor

## Features and Benefits

- Provides excellent film strength to resist friction and wear – protects gear sets from mal-functioning or misalignment due to metal-to-metal frictional wears and reduces numbers of unexpected downtime.
- Excellent oxidation stability and corrosion protection to prevent gear systems from unscheduled breakdown due to excessive carbon deposits and corrosive wears.
- Carefully balanced and calculated proportion of foam suppressant to prevent gear action from aerating.
- Up to four different viscosity grades available for applications on a wide variety of gear sets.

## Recommended Applications

- For lubrication of all types of industrial gears such as spur gears, helical gears, straight & spiral bevel gears, etc.
- For gear systems demanding the following requirements:
  - US steel
  - AGMA 250.04
  - DIN 51517
  - David Brown DB S1.53.101
  - Cincinnati Milacron
- Also suitable for gearbox containing bronze and copper alloy components.

## Typical Data

TEST	ASTM TEST METHOD	ISO VG 150	ISO VG 220	ISO VG 320	ISO VG 460
Density, kg/L @ 15°C	D-1298	0.891	0.898	0.901	0.908
Viscosity, cSt @ 40°C @ 100°C	D-445	150	220	320	460
	D-445	14.8	19	24.1	30
Viscosity Index	D-2270	98	97	96	96
Flash Point, COC, C(°F)	D-92	265(509)	267(512)	273(523)	274(525)
Pour Point C(°F)	D-97	-10(14)	-9(16)	-9(16)	-6(21)
Copper Strip Corrosion 3 hours @ 100°C	D-130	1b	1b	1b	1b
Foaming Characteristics All Sequences, After Settling	D-892	Nil	Nil	Nil	Nil

The data shown are typical value and may vary.

## Pack-size

205 Litre Metal Drum & 20 Litre Plastic Container

Authorized Distributor