

Heavy Duty Industrial Gear Oil

Gear Max SP

68/100/150/220/320/460



Product Description

Gear Max SP, Industrial Gear Oils are premium quality, heavy duty industrial gear oils specially formulated for circulation and bath lubrication systems of spur and helical type of industrial gears. It is formulated with a sulphur – phosphorus additive system, which also imparts rust & oxidation inhibition, corrosion and oxidation inhibitors and metal passivator. The additives are compatible with the ferrous and non-ferrous metals used in industrial gear units.

Benefits

Gear Max SP provides the following benefits when used as recommended:

- Having Lead free extreme pressure additives coupled with outstanding thermal stability and high load carrying ability
- Minimizing wear rates and maintaining efficient transfer of power
- Good water separation and efficient rust inhibitors protect surfaces against rust and corrosion.
- Effective oxidation inhibitors and copper passivator minimize oil oxidation, limiting viscosity increase and extending oil drain intervals

Application

Gear Max SP is recommended for use in highly loaded or shock loaded bearings and gears, sliding surfaces, sprockets and flexible couplings with splash, circulation and spray lubricating system requiring EP additives.

It should be ensured that these oils are not used in those systems where bulk in temperatures exceed 120 °C.

Properties

Gear Max SP are high performance, industrial gear lubricants formulated with refined base stocks and high performance additives. Also, it is specially formulated with “Clean Gear” additive technology to minimize the deposit formation and provide excellent gear box cleanliness. It is recommended for use in all applications where the equipment manufacturer specifies an AGMA EP gear oils.

Typical Characteristics

Gear Max SP	68	100	150	220	320	460
Grade	68	100	150	220	320	460
Specific Gravity @ 15°C	0.8800	0.8850	0.8900	0.8935	0.9015	0.9085
Flash Point, °C	230	235	240	245	250	260
Pour Point, °C	-21	-21	-18	-18	-12	-9
Viscosity at 40°C , cSt	68	100	150	220	320	460
Viscosity at 100°C , cSt	8.75	11.25	14.75	18.75	23.5	30.50
Viscosity Index	98	98	98	99	95	95

Credentials & Specifications

ANSI / AGMA 9005-E02(EP) Grade 68 to 320
 SEB : 181226, DIN 51517: Part 3 (CLP)
 David Brown S1.53.101(E) Table E
 US Steel : 224
 FIVES Cincinnati P-77, P-74 Approved
 German Steel Industry SEB 181226, Type CLP
 ISO 12925 – 1:1996
 Type L - CKC

Typical physical characteristics of Gear Max SP are given in the table. These are intended as a guide to the industry and are not necessarily manufacturing or marketing specifications.

Health and Safety

Detailed health and safety information for this product is provided in a Material Safety Data Sheet which is available upon request from your Emarat lubricants sales office, or via the Internet on www.emarat.ae