



INDGEAR MP90

Industrial Gear Oil

Issue: December 2015

Product Code	Pack Size	Carton Qty
INDMP90020	20 Litre	1
INDMP90205	205 Litre	1



PENRITE

Description

Indgear MP90 is an SAE 90 mineral oil designed for use in a wide range of heavily loaded applications comprising varied gear sets, such as spur, helical and worm gears, as found in many types of industrial equipment.

Indgear MP90 meets the viscosity grade requirements of SAE 90/ISO VG 150 and API "GL-4 Plus".

Application

Indgear MP90 is recommended for all types of slow or high-speed, industrial systems where complex gear arrangements are in use. These gear systems include spur, helical, spiral bevel and worm gear sets, used independently or in a combination, in light or heavily loaded applications and where a minimum DIN CLP classification or API GL-3 oils or higher are normally recommended.

Indgear MP90 is ideal for use in industrial gearboxes including, but not limited to, web and sheet fed printing units and folders, high-speed roller bearings, stationary main drive gearboxes, crushers, hoists, conveyors, winches and machine tools. Further to the above applications, it can also be used to lubricate oil-immersed chain drives, sprockets, plain and anti-friction bearings.

Indgear MP90 is also suitable for use in automotive and heavy duty truck gearboxes and differentials where SAE 90, API GL-4 oils are required.

Product Benefits

- Compatible with copper alloy components
- Protects against rust and corrosion
- Minimises wear by using effective extreme pressure additives
- Good oxidation and thermal stability for long life
- Suitable for various types of gear systems
- Minimises foaming

Industry Specifications

API GL-4 "Plus"
DIN 51517-3 (CLP)

AIST (US Steel) 224

AGMA 9005 E02-EP

Typical Data

ISO Grade	150
SAE Grade	90
AGMA Grade	4EP
Density at 15°C, kg/L	0.901
Viscosity, Kinematic, cSt	
at 40°C	159
at 100°C	14.7
Viscosity Index	90
Phosphorous, mass %	0.069

Information in this sheet is based on recent production. Minor variations to typical properties are expected in normal manufacture and do not affect product performance. An MSDS is available on request.



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