



INDGEAR MP90

Package Sizes: 20L Litre, 205 Litre
Product Codes: INDMP90020, INDMP90205
Issue: April 2013

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.

It 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. 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.

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

Customer 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"	AIST (US Steel) 224	AGMA 9005 E02-EP
DIN 51517-3 (CLP)		

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.

PENRITE OIL COMPANY PTY LTD, 88 Lewis Road, Wantirna South
 Victoria AUSTRALIA 3152, ABN 25 005 001 525
 Enquiries: Phone 1300-PENRITE (1300 736 748)
 Fax: 1800-PENRITE (1800 736 748)
 International: Phone: 61 3 9801 0877, Fax: 61 3 9801 0977
 New Zealand Ph: 0800 533 698, Fax: 0508 736 748
 United Kingdom and EU Ph: +44 (0) 1594 562357, Fax: +44 (0) 1594 564234
 Website: www.penriteoil.com, Email: penrite@penriteoil.com

**PROUDLY AUSTRALIAN
 FAMILY OWNED
 SINCE 1926**

