

NISOTEC REDOL 680



Industrial gears



Extreme pressure



Resistance to oil oxidation



Demulsibility property



Mineral



Excellent oil film strength

NISOTEC REDOL 680 is a high-quality mineral oil, with superior load bearing properties (EP), intended for the lubrication of closed industrial gear transmissions/reducers. It provides maximum protection against wear and corrosion and has excellent compatibility with sealing materials. They can be used in circulating, splash or oil mist lubrication systems. It is formulated to provide high quality industrial gear protection, meeting the latest industry standards and with great versatility for lubricating a wide range of industrial equipment.

Applications:



- Industrial reducers for conveyors, mixers, dryers, extruders, fans, mixers, presses, pulpers, pumps (including oil well pumps), mills, and other applications where heavy loads are present
- Industrial reducers of various types of gears: flat, helical...
- A variety of gearless industrial systems including shaft couplings, shafts and heavy-duty plain bearings operating at low speeds

Characteristics	Advantages
High load bearing capacity	Reduces the wear of gear teeth and bearings, thus extending the working life of the equipment
Excellent ability to water extraction	Easy separation of any water that may be present, thus protecting the system from the consequences of poor lubrication
Low foaming tendency	A permanent, constant, oil film provides protection against wear in all working conditions
Excellent thermal and oxidation stability	Provides excellent resistance to oil aging and thus allows for a longer change interval
Excellent compatibility with non-ferrous metals	Excellent protection against corrosion of all non-ferrous metals in the system
Good compatibility with sealing materials	No leaks and reduced oil consumption help reduce maintenance costs and extend equipment reliability

Specification:

- DIN 51517-3 (CLP);
- ISO 6743-6 (L-CKC/CKD);
- ISO 12925-1 (L-CKC/CKD);
- AGMA 9005-F16 AS;
- AIST (US Steel) 224;
- CINCINNATI MACHINE EP gear oil P-34;
- DANIELI
- DAVID BROWN S1.53.101 (E)

Typical characteristics

Characteristics	Method	NISOTEC REDOL 680
ISO grade		680
Kinematic viscosity at 40°C, mm ² /s	ISO 3104	680
Viscosity Index	ISO 2909	90
Cu strip corrosion, 3h, 100°C	EN ISO 2160	1b
Pour Point, °C	ISO 3016	-9
Flash Point (COC), °C	EN ISO 2592	250
Density at 15°C, kg/m ³	EN ISO 3675	905

Health, Safety and Environment

Information on the safe handling, storage and disposal of the product, as well as information on precautionary measures and potential hazards, effects on human health and the environment can be found in the Product Safety Data Sheet (SDS). Store the product in its original packaging protected from atmospheric influences. Shelf life 5 years from the date of manufacture.

Available packaging

205L

1000L