

# MOL Ultrans Synt HC 680

## synthetic industrial gear oil



MOL Ultrans Synt HC 680 is a premium quality synthetic EP gear oil. Due to its formulation it provides an excellent performance even in extreme cold and hot environments operating in extreme conditions (high load - low speed).

### Application



Enclosed industrial gear drives working at permanently high or low operating temperatures

Lubrication points with heavy loads, low speeds and high temperatures

Equipment operating in a wide range of temperatures

Bearings operating at high temperatures

For industrial use

### Features and benefits

Exceptional thermal and oxidation stability

Resists ageing processes in the long term and harmful deposits are not formed  
Longer lubricant lifetime, so reduced operational costs

High viscosity index

Optimum lubrication and reliable operation in a wide range of environmental and operational temperatures

Excellent load-carrying properties

No lubricating film disruption even under shock loads, giving protection against seizure

Excellent protection against micropitting

Long gear lifetime, giving reliable operation

Low coefficient of friction

Energy saving potential and reduced operational temperature

Rapid air release together with low foaming

Stable balanced lubricating film between friction surfaces, giving long equipment lifetimes

Excellent cold flow properties

Reliable operation even at low temperatures

### Specifications and approvals

Viscosity grade: ISO VG 680  
ISO 12925-1 CKD  
ISO 12925-1 CKSMP  
ISO-L-CKSMP  
DIN 51517-3 (CLP)  
ANSI/AGMA 9005-F16  
Flender (Siemens)  
DIN 51502 CLP-HC

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### Properties

Properties	Typical values
Density at 15 °C [g/cm <sup>3</sup> ]	0,904
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	660
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	65
Viscosity index	170
Pour point [°C]	-33
Flash point (Cleveland) [°C]	>220
Antiwear properties (FZG)	
- failure load stage	>12

The characteristics in table are typical values of the product and do not constitute a specification.

### Storage and handling instructions

Store in the original container in dry, properly ventilated area.

Keep away from direct flame and other sources of ignition.

Protect from direct sunlight.

During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.

For further details please read the Material Safety Data Sheet of the product.

In the original container under the recommended storage conditions: 60 months

Recommended storage temperature: max. 40°C