MOL Ultrans Synt HC 320

synthetic industrial gear oil

MOL Ultrans Synt HC 320 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

Low coefficient of friction	Energy saving potential and reduced operational temperature
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
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 320
Flender (Siemens)
ISO 12925-1 CKD
ISO 12925-1 CKSMP
ISO-L-CKSMP
DIN 51517-3 (CLP)
ANSI/AGMA 9005-F16
DIN 51502: CLP-HC

Manufactured and distributed by MOL-LUB Ltd., 2931 Almásfüzitő, Fő út 21.
E-mail: lubricants@mol.hu Web: mollubricants.com
Technical service:
Tel: +36 (1) 886-5030 (option 2); E-mail: lubtechdesk@mol.hu
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Properties

Properties	Typical values
Density at 15 °C [g/cm3]	0,890
Kinematic viscosity at 40°C [mm2/s]	305,4
Kinematic viscosity at 100 °C [mm2/s]	35,9
Viscosity index	165
Pour point [°C]	-35
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: 48 months
Recommended storage temperature: max. 40°C