

## ASTRON MZ 80W-90 GL 4

### Multi-Purpose Gear Oil

#### Properties

**ASTRON MZ 80W- 90 GL 4** is produced from selected base oils with additives tailored thereto. The EP additives contained in the gear oil form a load-bearing lubricant layer during tooth engagement between the tooth flanks. It reduces abrasion wear on the tooth flanks during the motion sequence under high mechanical stress. The gear oil is stable to ageing even under high thermal load. The good cold flow properties are due to the high refinement degree of the base oil and the flow improver it contains. The gear oil contains suitable active substances to suppress foaming and the wetted machine parts are protected against corrosive effects.

**ASTRON MZ 80W 90 GL 4** is compatible with the usual sealing materials.

#### Use instructions

**ASTRON MZ 80W- 90 GL 4** is used in manual and steering gears, axle drives (not in hypoid gears) on motor and commercial vehicles etc.

#### Specifications:

- API GL-4
- MIL-L-2105

#### Recommendations \*:

- DTFR 13B100 (235.1)
- MAN 341 Typ Z2
- MAN 341 Typ E1
- Ford SQM-2C-9008 A
- ZF TE-ML 02B, 17 A

TYPICAL PARAMETERS	METHODS	UNITS	ASTRON MZ 80W-90 GL 4
Density at 15°C	DIN 51 757	kg/m <sup>3</sup>	897
Viscosity at 40°C	DIN 51 562	mm <sup>2</sup> /s	114
Viscosity at 100°C	DIN 51 562	mm <sup>2</sup> /s	11,9
Viscosity index (VI)	DIN ISO 2909	-	92
Viscosity at -26°C	DIN 51 398	mPa.s	129.000
Pour point	DIN ISO 3016	°C	-30
COC flash point	DIN ISO 2592	°C	220
FZG test A/8.3/90	DIN 14 635	SKS	>12

\* meets the requirements of the OEM manufacturer.  
The stated values may vary within the usual commercial range.

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**Power in every molecule**

Duran Lubricants & Chemicals GmbH  
Rodderheide 3-7 • D-33824 Werther

Tel. +49 5203 901510  
www.astron-oil.de  
info@durand-lub.com

Health, Safety and Environment –  
information is provided for products  
in the relevant Safety Data Sheet.

