



**Product Data Sheet:**

# INDUSTRIAL GEAR OIL CLP 680

**Product Description:**

**INDUSTRIAL GEAR OIL CLP 680** is a premium quality heavy duty gear oil, primarily recommended for enclosed gear units working under severe shock operating conditions.

**INDUSTRIAL GEAR OIL CLP 680** is formulated from carefully selected base stocks and sulphur/phosphorous extreme pressure (EP) additives.

**INDUSTRIAL GEAR OIL CLP 680** provides excellent protection against high loads, prevent damage on tooth- and friction surfaces. Furthermore **INDUSTRIAL GEAR OIL CLP 680** shows excellent protection against rust and oxidation, while the excellent demulsification of the product allows easy water drain off.

**INDUSTRIAL GEAR OIL CLP 680** is recommended for the lubrication of enclosed spur, helical, bevel and worm gears.

**Specifications:**

**Exceeds:** DIN 51517-3: CLP, ISO 12925-1: L-CKC, AGMA 9005 E-02  
AIST (US Steel) Req. No 224, David Brown S1.53 101(E)

Property:	Test Method:	Typical Values:
ISO Viscosity Grade	ISO 3448	680
Density @ 15°C	ASTM D4052	906 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D7042	612-748 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042	38.2 mm <sup>2</sup> /s
Viscosity Index	ASTM D2270	>95
Flash Point	ASTM D92	>240°C
Pour Point	ASTM D97	<-15°C
Total Acid Number (TAN)	ASTM D974	0.5 mgKOH/g
FZG Load Stage	DIN 51354-2	12
Demulsibility @ 82°C	DIN 51599	<30 min.

Product nr: 4370	Date Issued: 31/08/2012	Date Superseded: 12/07/2010	Revision nr: 01
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