



INDUSTRIAL GEAR OIL CLP 680

Product Description:

INDUSTRIAL GEAR OIL CLP 680 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

INDUSTRIAL GEAR OIL CLP 680 is based on high quality mineral base oil in combination with an unique zinc-free additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

INDUSTRIAL GEAR OIL CLP 680 meets the following performance criteria:

DIN 51517-3 CLP
AGMA 9005-F16

ISO 12925-1 CKD
David Brown S1.53.101 E

AGMA 9005 E-02
AIST 224 (former US Steel 224)



Property	Unit	Test Method	Typical Value
ISO VG Grade		ISO 3448	680
Density@15°C	kg/m ³	ASTM D4052	903
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	670
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	40.4
Viscosity Index		ASTM D2270	99
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-9
FZG Fail Load Stage, min		DIN 51354-2	>12
Total Acid Number	mg KOH/g	ASTM D664	0.5

Product Nr: 43800

Date Superseded: 31-08-2012

Date Issued: 20-12-2019

Revision nr: 02