



Industrial Gear Oil 680

Product Code: 77110

Mineral Industrial Gear Oil

Industrial Gear Oil 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 680 is based on high quality mineral base oil in combination with an unique 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 680 exceeds the following performance criteria:

DIN 51517-3 CLP ISO 12925-1 CKD AGMA 9005 E-02 US Steel 224
David Brown S1.53.101

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	680
Density @15°C	kg/m ³	ASTM D4052	901
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	696
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	40.0
Viscosity Index		ASTM D2270	96
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-15
FZG Fail Load Stage		DIN 51354-2	>12
Total Acid Number	mgKOH/g	ASTM D664	0.5

Date Issued: 16-04-2021	Supersedes: 12-10-2015	Revision Nr.: 02
-------------------------	------------------------	------------------