

DEX QM GEAR 100

Industrial Gear Lubricant









DEX QM GEAR 100 is an ultra-high performance industrial gear oil suitable for wind turbines, heavy loaded closed gear boxes and circulation systems operating under extreme conditions and high temperatures.

Main applications



Performance, Features & Benefits

DEX QM GEAR 100 is a specially formulated hydrocracked mineral blend of base oils combined with a unique quantum mechanical enrichment process designed to improve performance in the following ways.

-  Outstanding load carrying capability.
-  Excellent low temperature properties.
-  Effective lubrication over a wide temperature range.
-  Superior thermo- and oxidation stability.
-  Long service intervals.
-  Excellent protection against rust, wear and foaming.
-  Very high demulsibility.
-  Excellent corrosion and micro pitting protection.

Technical Data Sheet

Specifications, approvals and recommendations

DEX QM GEAR 100 exceeds the following performance criteria:

DIN 51517-3 CLP	AGMA 9005-F16 Anti-scuff	ISO 12925-1 CKC
Cincinnati Milacron P-74	David-Brown S1.53.106	Siemens MD (Flender)
US Steel 224		

Typical Analysis*

Properties		Unit	Method	Typical Value
SAE Klasse (viscosity class)			ISO 3448	100
Density		Kg/m ³		856
Kinetic Viscosity	@40°C	mm ² /s	ASTM D4052	95,8
Kinetic Viscosity	@100°C	mm ² /s	ASTM D7042	14.6
Viscosity Index			ASTM D2270	159
Flash Point COC, min		°C	ASTM D92	> 220
Pour Point		°C	ASTM D7346	-39
FZG Fail Load Stage, min			DIN 51534-2	> 14
Total Acid Number		mgKOH/g	ASTM D664	< 0.5

These characteristics are typical of current production. Whilst future production will conform to DEX's specification, variations in these characteristics may occur.