



PRODUCT DATA SHEET

NMX GEAR SYN SERIES- SYN-90, SYN-140, SYN-320, SYN-460, SYN-680 (INDUSTRIAL GEAR OILS –SYNTHETIC)

DESCRIPTION & APPLICATION:

NMX GEAR SYN is a cutting-edge, fully synthetic gear lubricant engineered for peak performance in heavily-loaded industrial gearboxes and rolling element bearings. Crafted to deliver exceptional durability, NMX GEAR SYN excels in extreme-pressure environments, as proven in rigorous FAG FE-8 testing. It's the ideal choice for gearboxes operating under high temperatures, where unmatched micro-pitting resistance is essential for longevity.

Designed for compatibility, NMX GEAR SYN seamlessly integrates with most industrial sealants and bearing materials. It's the perfect upgrade from mineral-based gear oils, offering lower operating temperatures and improved efficiency for high-demand step-up, spur, helical, herringbone, bevel, and planetary gear systems. This advanced formulation leverages a chlorine-free extreme pressure additive for superior rust and corrosion protection, long-term cleanliness, and excellent filterability. With enhanced antioxidants and a premium synthetic base, NMX GEAR SYN ensures extended service life, keeping your gear systems protected and performing at their best.

Performance Level

DIN 51517 Part III (2014); ISO 12925-1 Type CKC/
CKD; AGMA EP 9005-EO2 (EP); AISE (US STEEL): 224; David Brown S1.53.101 and FLENDER GEAR BOXES – REVISION 9.

SPECIFICATION:

PROPERTIES	TYPICAL VALUES				
	SYN-90	SYN-140	SYN-320	SYN-460	SYN-680
SYN TYPE					
Appearance	Clear Golden Natural				
Kinematic Viscosity, cSt @ 40°C	80-95	130-150	300-340	440-475	625-700
Viscosity Index	140	140	140	140	140
Flash Point, COC, °C min	220	220	220	220	220
Pour Point, °C Max	-45	-40	-33	-27	-27
FZG, Rig Test - Passes	12	12	12	12	12

*The specifications are subject to variations/ development / customization.

PACKING: 26L, 50L, 55L, 210L

*Due to continual product research and development, the information contained herein is subject to change without notice.