PRODUCT DATA SHEET



PAO-GEAR MPWT Series

NFG NON-FOOD GRADE

Synthetic Gear Lubricant

PAO-GEAR MPWT Series gear lubricants are full synthetic (PAO) base oils with additives designed to provide service under heavy loads and where anti-scuffing and micropitting resistance are required. These products include an advanced additive system that increases load carrying capability & provides maximum protection from rust, corrosion and foaming.

PAO-GEAR MPWT Series resist damage to gear teeth due to repeated shock loads, making them ideal for Wind Turbines, Mine Hoist Crane Gearboxes & applications where micropitting resistance is required.

Low temperature pumpability, resistance to sludge formation and extended service life make them well suited for use in extreme environments.

Properties / Characteristics	PAO-GEAR MPWT				
ISO Grade	100	150	220	320	460
AGMA#	3 EP	4 EP	5 EP	6 EP	7 EP
Viscosity @40°C, cSt @100°C, cSt	101 15.7	156 22.1	224 29.7	318 39.5	452 52.6
Viscosity Index	165	169	173	177	181
Specific Gravity	0.858	0.861	0.861	0.861	0.866
Flash Point, °F (°C)	495 (257)	495 (257)	495 (257)	515 (268)	490 (254)
Pour Point, °F (°C)	-47 (-44)	-53 (-47)	-54 (-48)	-65 (-54)	-49 (-45)
Copper Corrosion Test	1a	1a	1a	1a	1a
Rust Test	Pass	Pass	Pass	Pass	Pass
4-Ball Wear Scar, mm	0.34	0.040	0.40	0.34	0.34
FZG gear test rig A/8.3/90 SIN ISO 1635-01 scuffing load stage	12+	12+	12+	12+	12+

Pan American Lubricants products are continually undergoing improvements in their formulation and manufacture. The values indicated in this PDS are typical production values at the time of this writing. Pan American Lubricants reserves the right to alter and update product data and typical values at any time without notice. It is the responsibility of the installer and/or purchaser to determine whether these specifications are adequate and proper for the intended application. For MSDS information visit www.panamlubricants.com or contact Pan American Lubricants.