

# PRODUCT DATA SHEET



## PAO-GEAR MPWT Series

### Synthetic Gear Lubricant

NFG  
NON-FOOD GRADE

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	101	156	224	318	452
@100°C, cSt	15.7	22.1	29.7	39.5	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+