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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

SYNTHETIC GEARS / HEAVY DUTY

SYNGEAR® WT Series

Summit Syngear® WT Series lubricants are fully synthetic high performance gear oils enhanced with new generation anti-micropitting additives. The PAO base oil has outstanding oxidation and thermal stability, naturally high viscosity index and excellent low temperature pumpability and fluidity. The additive system not only minimizes scuffing wear, but offers a high level of resistance to micropitting fatigue. High load carrying capability and low sludge formation make these superior lubricants a choice for many industrial applications. **Syngear® WT Series** provides maximum protection against rust, corrosion, and foaming.

APPLICATION

Summit Syngear® WT Series are recommended for highly loaded enclosed gearing as well as plain and rolling element bearings. These shear stable lubricants resist damage to gear teeth caused by repeated shock loads. **Syngear® WT Series** lubricants are ideal for wind turbine gearboxes, mine hoist gearboxes, crane gearing, and other enclosed gearing which requires micropitting resistance. Highly loaded gearboxes in the steel, paper and cement industries are natural applications. These extended life oils perform very well in extreme environments.

Physical Properties

PRODUCTS	WT-100	WT-150	WT-220	WT-320	WT-460
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	452.3
@ 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
Pour Point, °F (°C)	-47(-44)	-53(-47)	-54(-48)	-65(-54)	-49(-45)
Flash Point, °F (°C)	495(257)	495(257)	495(257)	515(268)	490(254)
Copper Corrosion	1A	1A	1A	1A	1A
Rust Test	Pass	Pass	Pass	Pass	Pass
4-Ball Wear Scar, mm	0.34	0.40	0.40	0.34	0.34
FZG gear test rig, A/8.3/90, DIN ISO 14635-01, scuffing load stage	12+	12+	12+	12+	12+

Shelf Life: Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.