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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 as of August 11, 2010.

SYNTHETIC GEARS / HEAVY DUTY

SYNGEAR AMP Series

Summit Syngear AMP 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 AMP Series** provides maximum protection against rust, corrosion, and foaming.

APPLICATION

Summit Syngear AMP 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 AMP Series** lubricants are ideal for 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	AMP-150	AMP-220	AMP-320
ISO Grade	150	220	320
Viscosity			
@ 40C, cSt	153	237	338
@ 100C, cSt	18.8	25.9	33.7
Viscosity Index	138	140	142
Specific Gravity	0.868	0.869	0.876
Pour Point., °F (°C)	-44 (-42)	-46 (-43)	-44 (-42)
Flash Point, °F (°C)	460 (238)	460 (238)	465 (241)
Copper Corrosion	1A	1A	1A
Rust Test	Pass	Pass	Pass
4-Ball Wear Scar, mm	0.40	0.40	0.34
FZG gear test rig, A/8.3/90, DIN ISO 14635-01, scuffing load stage	≥14	≥14	≥14