

Alfasynth Gear SG

Product Description

AEGEAN's ALFASYNTH GEAR SG series are fully synthetic lubricants for high quality gears for industrial use. They are produced of a specific group of base oils, Poly-Glycol (PG) of high viscosity grade and proper additives which provide excellent thermal stability as well as exceptional performance and load carrying ability. They provide wide thermal application range (-30°C up to 200°C).

Performance Features

- Excellent anti-wear properties, even under most heavy loading conditions
- Effective chemical and anti-oxidation stability
- Exceptional de-emulsification and antifoam properties
- Excellent anti-corrosion and anti-rust properties
- Excellent stability due to its high viscosity grade
- Elimination of carbon residues and sludge
- Fully compatible with mineral oil and elastomers

Application

AEGEAN's ALFASYNTH GEAR SG series is recommended for reducers and closed gears, operating at either very high or very low temperatures, regardless if the lubrication takes place through circulation or by lubricant injection. It is also recommended for all the types of transmission with gears, where heavy loading and high temperatures appear.

AEGEAN's ALFASYNTH GEAR SG exceeds the following specifications:

- **DIN** 51517 part III
- **AGMA** 250.04
- **US STEEL** 224
- **DAVID BROWN** ET 33/80

Typical Properties:

ISO grade	220	320	460	Method
Specific gravity at 20°C, Kg/l	0.998	1.029	1.032	ASTM D-1298
Viscosity, Kinematic at 40°C, cSt	220	320	460	ASTM D-445
Viscosity Index	240	237	234	ASTM D-2270
Pour Point, °C	-45	-33	-27	ASTM D-97
Flash Point COC, °C	272	295	312	ASTM D-92
Four Ball Testing (WP, kg) min	315	315	315	ASTM D-2789
Four Ball Testing (LWI) min	45	45	45	ASTM D-2789

Note:

The above information is indicative based on current production and does not constitute a specification. Results can be affected by allowable production tolerances, not affecting performance.