



FPC LUBRICANTS

FPC GEAR AV SERIES

PAO-BASED GEAR LUBRICANTS

APPLICATIONS:

The FPC GEAR AV Series are synthetic and have been formulated from premium polyalphaolefins (PAO) base fluids for enclosed gear systems requiring ashless antioxidants and anti-wear. These oils have been designed to provide proper lubrication under hydrodynamic and mild boundary lubrication conditions. They are recommended for gear systems where moderate loads and high temperatures are expected, including worm gears containing soft metals such as bronze, brass and copper.

TYPICAL INDUSTRIAL APPLICATIONS:

- Hydraulic Systems
- Blowers
- Enclosed Gear Units: i.e. Spur, Helical, Bevel & Worm Gears
- Plain and Roller Contact Bearings
- Pulp & Paper Machines
- Circulating and Splash Lubricated Systems
- Mist Systems

PERFORMANCE BENEFITS:

- Synthetic Lubricant
- Wide Temperature Range
- Low Pour Points
- High Flash Points
- Increased Thermal & Oxidative Stability

TYPICAL PROPERTIES	TEST METHOD	FPC GEAR AV220	FPC GEAR AV320	FPC GEAR AV460	FPC GEAR AV680
ISO Grade	ASTM D2422	220	320	460	680
Viscosity @ 40°C,cSt	ASTM D445	230.4	311.3	486.2	676.7
Viscosity @ 100°C,cSt	ASTM D445	24.14	29.57	41.37	54.35
Viscosity Index	ASTM D2270	131	130	133	140
Flash Point, °C/°F	ASTM D92	262/504	270/518	270/518	270/518
Pour Point, °C/°F	ASTM D97	-35/-31	-33/-27	-27/-17	-25/-13
Copper Corrosion	ASTM D130	1B	1B	1B	1B
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass
Evaporation, %	ASTM D972	<1%	<1%	<1%	<1%
Specific Gravity	ASTM D1298	0.87	0.88	0.88	0.88