



## **FPC GEAR OV SERIES**

### **PAO-BASED GEAR LUBRICANTS**

#### **APPLICATIONS:**

FPC GEAR OV lubricants are synthetic, heavy duty industrial polyalphaolefin (PAO) gear oils intended for enclosed gears operating under adverse loads and temperatures. These are high quality, extreme pressure PAO gear oils offering exceptional performance in gears and other industrial applications. FPC GEAR OV lubricants are available in a wide range of ISO viscosity grades; ISO Grades 32 to 680.

#### **TYPICAL INDUSTRIAL APPLICATIONS:**

- Enclosed Gear Units: i.e. Spur, Helical, Bevel & Worm Gears
- Agitator Drives
- Centrifuge Gear Boxes
- Extruder Reducers
- Plain and Roller Contact Bearings
- Circulating and Splash Lubricated Systems
- Mist Systems

#### **PERFORMANCE BENEFITS:**

- Reduced downtime due to extended change intervals
- High viscosity index
- Wide temperature range
- Longer life than conventional oils
- Intended for heavy-duty extreme pressure industrial applications

FPC GEAR OV lubricants meet the requirements of U.S. Steel 224; AMGA 250.04; DIN 51517 Part 3; David Brown S1.53.101; Cincinnati Milacron.



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TYPICAL PROPERTIES	TEST METHOD	FPC GEAR OV100	FPC GEAR OV150	FPC GEAR OV220
ISO Grade	ASTM D2422	100	150	220
Viscosity @ 40°C,cSt	ASTM D445	102	151.2	237
Viscosity @ 100°C,cSt	ASTM D445	13.2	17.8	24.9
Viscosity Index	ASTM D2270	127	130	133
Flash Point, °C/°F	ASTM D92	240/464	232/450	232/450
Pour Point, °C/°F	ASTM D97	-45/-49	-45/-49	-37/-33
Copper Corrosion	ASTM D130	1B	1B	1B
Rust Prevention	ASTM D665	Pass	Pass	Pass
Carbon Residue, %	ASTM D189	Nil	Nil	Nil
Color	Visual	Amber	Amber	Amber
Timken O.K. Load, lbs.	ASTM D2782	75	80	85
AGMA Lubricant Number	---	3 EP	4 EP	5 EP
Specific Gravity	ASTM D4052	0.87	0.86	0.87

TYPICAL PROPERTIES	TEST METHOD	FPC GEAR OV320	FPC GEAR OV460	FPC GEAR OV680
ISO Grade	ASTM D2422	320	460	680
Viscosity @ 40°C,cSt	ASTM D445	309.6	480	609.2
Viscosity @ 100°C,cSt	ASTM D445	28.3	41.0	44.5
Viscosity Index	ASTM D2270	123	133	121
Flash Point, °C/°F	ASTM D92	232/450	232/450	232/450
Pour Point, °C/°F	ASTM D97	-37/-33	-30/-22	-20/-4
Copper Corrosion	ASTM D130	1B	1B	1B
Rust Prevention	ASTM D665	Pass	Pass	Pass
Carbon Residue, %	ASTM D189	Nil	Nil	Nil
Color	Visual	Amber	Amber	Amber
Timken O.K. Load, lbs.	ASTM D2782	85	85	80
AGMA Lubricant Number	---	6 EP	7 EP	8 EP
Specific Gravity	ASTM D4052	0.87	0.87	0.88