



# SYNTHETIC BEARING LUBRICATING OIL

## ADDINOL POLYGEAR PG 150, 220, 320, 460, 680

### APPLICATION

**ADDINOL Poly Gear PG** oils are specially suited for high temperature application up to +220°C.

These products are preferably used for industrial sliding and rolling bearings and heavily loaded gearboxes.

Due to their excellent sliding friction property, worm gears can obtained a reduction of temperature compared with mineral oils. This will ensure the efficiency is more advantageous.

The oil drain intervals can be extended up to 5 times that of conventional gear oils.

**ADDINOL Poly Gear PG** oils are compatible with other brand based polyalkene glycol products.

They are not miscible with mineral oils or water. Therefore blending of mixing of different based oil has to be excluded.

**ADDINOL Poly Gear PG** oils show best corrosion protection behaviour to steel and non-ferrous metals. Conditions should be carefully observed for “non” metallic surfaces where high temperatures and loads are present.

As simple machine varnishes are corroded by all types of polyethylene glycol, they are not suitable for reservoirs painted inside.

**ADDINOL Poly Gear PG** oils are available at other viscosities upon request.

### DELIVERY


Delivery in 20L drums

### PRODUCT DESCRIPTION

- ADDINOL Poly Gear PG oils are fully synthetic fluids based on polyalkene glycol which contains additives to prove ageing stability, wear and corrosion resistance and foaming characteristics.
- These products have outstanding viscosity temperature and low temperature characteristics, their tendency to form residues is low.
- ADDINOL Poly Gear PG oils exceed the requirements of CLP lubricating oils in accordance with DIN 5151-3
- Assignment according to DIN 51502: PGLP.
- The viscosity graduation corresponds to ISO classification 3448 and/or DIN 51519

### TYPICAL PARAMETERS

Product ADDINOL (ISO-VG)	Viscosity (mm <sup>2</sup> /s)		Viscosity index	Flash point (°C)	Pour Point (°C)	Density (kg/m <sup>3</sup> )	FZG Test A/16,6/120 Power Stage
	at +40°C	at + 100°C					
Poly Gear PG 150M	145	23	190	250	-35	1000	>12
Poly Gear PG 220M	215	31	190	250	-35	1016	>12
Poly Gear PG 320M	315	52	226	250	-35	1010	>12
Poly Gear PG 460M	460	70	230	250	-35	1006	>12
Poly Gear PG 680M	680	100	250	250	-35	1008	>12

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