

CARTER PG



LUBRICATION



High-performance synthetic industrial worm gear lubricant

APPLICATIONS

Heavily loaded enclosed gears

- Lubrication of gears operating under the most severe conditions (high shock loads, extreme temperatures and corrosive atmospheres).
- Lubrication of worm gears

PERFORMANCE

International specifications

Manufacturers

- DIN 51517 Part 3 - Group CLP
- NF-ISO 6743-6 category CKS/CKT
- DAVID BROWN, CMD

ADVANTAGES

- Very high and shear stable viscosity index
- Low coefficient of friction: greater protection for non-ferrous parts, such as the bronze ring gear in worm gear systems, offering an energy savings up to 10% compare with mineral oil.
- Excellent thermal stability extends oil life
- Very good foam resistance
- Excellent extreme pressure and anti-wear properties
- Very high level of corrosion protection (sea water and acidic water)
- Non-staining to yellow metals

HANDLING OPERATIONS

- Polyglycol (or PAG) based lubricants, such as Carter PG are incompatible with most mineral and synthetic hydrocarbon oils (PAO)
- Compatibility with the gearbox components (seals, paints, etc) must be checked

TYPICAL CHARACTERISTICS--CARTER PG

ISO Grade	150	220	320	460	680	1000
Density @ 60 °F, lbs. /gal.	8.73	8.76	8.78	8.79	8.80	8.79
Specific gravity @ 60 °F, ASTM D 1298	1.048	1.052	1.054	1.056	1.057	1.056
Viscosity at 40°C, cSt ASTM D 445	148	237	314	441	654	1000
Viscosity at 100°C, cSt, ASTM D 445	27.8	42.9	55.7	76.6	111	162
Viscosity Index, ASTM D 2270	227	238	245	255	268	280
Pour Point, °F, ASTM D 97	-30 (-34)	-25 (-32)	-25 (-32)	-20 (-29)	-20 (-29)	-20 (-29)
Flash Point, COC, °F, ASTM D 92	460 (238)	510 (266)	520 (271)	530 (277)	525 (274)	525 (274)

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