



Ultra high performance synthetic gear oil.

APPLICATIONS

Very high loaded gears in casing

- **CARTER SG** is a new generation of very high-performance synthetic gear lubricant for standard, crown, planetary, and worm gearboxes. The new polyalkylene glycol base oil technology provides a very high EP performances, very low friction coefficient and high sliding performances.

SPECIFICATIONS

International specifications

- DIN 51517-3 : CLP PG
- ISO 12925-1 CKT

ADVANTAGES

- Excellent shear stability and very high viscosity index.
- Excellent oxidation resistance and corrosion protection.
- Reduces operating temperatures due to low friction coefficient and increases energy efficiency compare to mineral and PAO base oil until 10 %.
- Reduces maintenance costs and extends equipments life time.

MANIPULATION

- **CARTER SG** are not miscible with esters, mineral and synthetic hydrocarbons base oils.
- **CARTER SG** absorbs more water than mineral and PAO base oil. Regular oil analysis with ANAC INDUS can optimize draining frequencies and increase gearboxes lifetime.
- Compatible with NBR, FKM seals.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CARTER SG						
			100	150	220	320	460	680	1000
Viscosity grade	ISO 3448	ISO VG	100	150	220	320	460	680	1000
Viscosity at 40°C	ISO 3104	mm ² /s	100	150	220	320	460	680	1000
Viscosity at 100°C	ISO 3104	mm ² /s	18.2	27.2	39.1	54.6	74.8	109.5	157.5
Viscosity index	ISO 2909	-	209	219	231	238	244	260	275
Density at 15 °C	ISO 3675	Kg/m ³	1.037	1.044	1.053	1.060	1.068	1.067	1.073
Pour point	ISO 3016	°C	- 56	- 35	- 30	- 30	- 30	- 30	- 31
Flash point	ISO 2592	°C	246	240	240	240	238	240	260
Oxydation stability - Viscosity variation(%)	ASTM D2893	%	< 6						
FZG test A/8,3/90°C	DIN 51354-2	-	> 13						
FAG Fe8 Wearing	DIN 51819-3	Roller (mg)	< 30						
		Cage (mg)	< 50						

Above characteristics are mean values given as an information.

Recommendations:

- Store the product at ambient temperature
- Minimize the periods of exposure to temperatures above 35°C
- **Shelf life: 4 years** from date of manufacture (unopened)