# CARTER SY



Lubrication



#### Synthetic lubricant for enclosed gears (polyglycol).

### APPLICATIONS Enclosed gears

## • Lubrication of gears operating under the most severe conditions (high loads, shocks, extreme temperatures and corrosive atmospheres).

• Lubrication of worm gears.

### SPECIFICATIONS

International specifications

- DIN 51517 Part 3  $\Rightarrow$  group CLP
- NF-ISO 6743-6 category CKS/CKT
  DAVID BROWN, CMD
- Manufacturers

### 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 gears systems, offering an energy saving of between 5 and 10% compared with a mineral oil.
- Excellent thermal stability: extended oil lifetime.
- Very good foaming behaviour.
- Excellent extreme pressure and anti-wear properties.
- Very high level corrosion protection (tested with sea and acidic water).

### HANDLING OPERATIONS - HEALTH - SAFETY

- POLYGLYCOL (or PAG) based lubricants, such as **CARTER SY**, are incompatible with most mineral and synthetic oils (PAO).
- Compatibility with the gearboxes components (seals, paints ....) must be checked.
- For Health and safety issues, please consult our MSDS.

CARACTERISTIQUES	METHODS	UNITS	CARTER SY				
			150	220	320	460	680
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	1004	1004	1003	1003	1002
Viscosity at 40°C	ISO 3104	mm²/s	150	220	320	460	640
Viscosity at100°C	ISO 3104	mm²/s	23	34	50	71	95
Viscosity index	ISO 2909	-	185	202	220	230	240
Flash point (open cup)	ISO 2592	°C	230	230	230	230	230
Pour Point	ISO 3016	°C	-33	- 30	- 30	- 27	- 27

Above characteristics are typical values given as an information.

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