

# Carter SY

## Synthetic lubricant (PAG) for enclosed gear drives

### APPLICATIONS

Worm drives, bevel, and spur gears.

Lubrication of gear drives operating under severe conditions: high loads, high temperature peaks and corrosive atmospheres.

Non miscible with mineral oils.

### ADVANTAGES

Superior resistance to oxidation and high thermal stability leading to reduced maintenance downtime.

Very high natural viscosity index and superior low friction coefficient leading to energy savings.

Excellent level corrosion protection (tested with sea and acidic water).

Excellent extreme-pressure and anti-wear properties.

Very good foaming behavior.

### SPECIFICATIONS

DIN 51517 Part 3 - CLP

ISO 12925-1 category CKE

### APPROVALS

SEW

NORD GETRIEBE

BONFIGLIOLI

BREVINI

CMD GEARS

DB SANTASALO

REGGIANA RIDUTTORI and many others

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.  
A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at [ms-sds.totalenergies.com](https://ms-sds.totalenergies.com)

## TYPICAL CHARACTERISTICS

Properties	Units	Standards	Carter SY				
			150	220	320	460	680
Density at 15 °C	kg/m <sup>3</sup>	ISO 3675	1004	1004	1003	1003	1002
Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104	150	220	320	460	680
Viscosity at 100°C	mm <sup>2</sup> /s	ISO 3104	23	34	50	71	95
Viscosity index	-	ISO 2909	185	202	220	230	240
Open cup Flash Point	°C	ISO 2592	230	230	230	230	230
Pour point	°C	ISO 3016	-33	-30	-30	-27	-27

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